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**FORT KNOX MINE
KINROSS GOLD CORPORATION**



**WASTE MANAGEMENT PERMIT #2006-DB0043
ANNUAL REPORT
FOURTH QUARTER 2011
MONITORING RESULTS**

February 29, 2012

Mr. Tim Pilon
State of Alaska
Department of Environmental Conservation
610 University Avenue
Fairbanks, Alaska 99709-3643

RE: Waste Management Permit # 2006-DB0043, 4th Quarter Report 2011

Dear Mr. Pilon,

Fairbanks Gold Mining, Inc. (FGMI) submits this 4th Qtr. 2011 report for the Waste Management Permit # 2006-DB0043, prepared in conformance with the requirements in Section 1.8 of the permit. The report contains the analytical results from compliance monitoring, an evaluation of the interceptor well system and a summary of the spills during 4th Qtr. 2011. The monitoring data has been collected and this report has been completed in accordance with the requirements of Waste Management Permit # 2006-DB0043.

Compliance Monitoring and Results of Sample Analysis

There was no significant weather or seismic event that could have potentially compromised the integrity of the Tailings Storage Facility, Freshwater Reservoir, or Heap Leach Dams during the 4th Qtr. 2011. Surface water monitoring locations (Upper Wetlands, Lower Wetlands, Fresh Water Reservoir and Fresh Water Dam Seepage) and groundwater monitoring wells (MW-5, MW-6, MW-7 were sampled quarterly to demonstrate compliance. Neither surface water monitoring sites nor groundwater monitoring wells showed evidence of seepage water from the tailing impoundment. A sample taken from MW-5 on 10/17/11 had a concentration of ammonia that exceeded the upper threshold valve. The State was notified, a resample taken and the cause is under investigation.

Monitoring data for the 4th Qtr. 2011 and the previous four (4) quarters is provided in Attachment A. The previous four quarters are included to provide an indication of any recent trends that might have developed. Attachment A contains the Fort Knox Mine Monitoring Data for process solutions, groundwater, surface water, and acid base accounting for tailing solids.

Monitoring of the tailing discharge for pH and Weak Acid Dissociable (WAD) cyanide levels continued in accordance with permit requirements. A composite sample for each 12-hour shift is collected and the samples are analyzed daily by FGMI laboratory personnel using Method OIA-1677 to determine the WAD cyanide concentration. The pH is determined using a pH meter. Table 1 contains a summary of the tailing discharge pH range (minimum, maximum, and average) for the period October 2011 through December 2011.

TABLE 1
Tailing Discharge pH Levels

	Minimum	Maximum	Average
October	7.6	9.4	9.01
November	7.7	9.8	9.22
December	8.1	9.7	9.19

Tailing discharge WAD cyanide levels (parts per million) recorded for the period October 1, 2011 through December 31, 2011 have been included in Table 2.

TABLE 2
Tailing Discharge WAD Cyanide parts per million (ppm)

	Minimum	Maximum	Average
October	0.367	14.9	8.38
November	0.0	17.873	9.38
December	1.4	12.800	8.43

All FGMI process records and daily logs for the cyanide detoxification circuit are available for inspection upon request.

Quarterly analytical results from groundwater compliance sampling points MW-5, MW-6, & MW-7 and surface compliance sampling points Upper and Lower Wetlands indicate that the tailing impoundment continues to operate as a zero discharge facility. A sample taken from MW-5 on 10/17/11 had a concentration of ammonia that exceeded the upper threshold value. The State was notified, a resample was taken and the cause is under investigation. Attachment A also provides the analytical results for ground water and surface water sampling for process water and compliance monitoring points. Attachment C has compliance sampling water quality graphs.

Tailing Impoundment Dam

Monitoring data on the tailing impoundment includes piezometer data, tailing pond elevations, and seepage pumping rates. The monitoring data did not display any unusual trends. The monitoring data is consistent with the recent measurements during 3rd Qtr. 2011 and the historic seasonal trends measured in previous years.

Weekly visual monitoring is routinely conducted at the TSF and freshwater reservoir. The visual monitoring looks for signs of damage or potential damage from settlement, ponding, leakage, thermal instability, frost action, erosion and thawing of waste material. Operations at the site are monitored and recorded weekly by mill personnel.

All water within the seepage reclaim area below the TSF dam is collected and pumped back to the tailing storage facility in accordance with an approved design of the tailing dam. Groundwater and surface water compliance sampling points down gradient of the TSF continue to be free from cyanide.

Interceptor and Monitoring Wells

Except during times of maintenance, interceptor wells were pumped continuously throughout the 4th Qtr. 2011. This is to ensure a hydraulic break is maintained below the TSF in the Fish Creek Valley and that the impoundment continues to operate as a zero discharge facility.

The interceptor well system (IW-1, IW-2, IW-3, IW-4, IW-5, IW-6, IW-7, IW-8, IW-11, MW-1, MW-3, & Site 401) continued to perform successfully during the 4th Qtr. 2011, maintaining a cone of depression across the Fish Creek Valley down gradient of the tailing impoundment (Attachment E). Both depth to water measurements and water chemistry indicate the tailing impoundment is operating as a zero discharge facility. A sample taken from MW-5 on 10/17/11 had a concentration of ammonia that exceeded the upper threshold valve.

KPPZ 1 through KPPZ 6, located on the south side of the Tailings Dam, are not accessible after the construction of the frost cap this fall. This spring, an automatic Data Collection System will be installed in these water level wells to ensure year round readings.

Table 3 shows the depth of the wells, depth to the pump, current depth to water, and pumping rate for the interceptor wells and the monitoring wells. Table 4 contains construction information and depth to water measurements for the piezometers. Table 5 shows construction information and depth to water measurements for the 15 piezometers installed during the fourth quarter of 2008.

TABLE 3

	Top of Casing Elevation	Depth of Well in Feet	Depth to Pump in Feet	Depth to Water in Feet 9/24/2011	Depth to Water in Feet 12/11/2011	Change From 3rd Quarter	Water Elevation at Pumping	Pumping Rate (GPM)
IW-1	1198	320	283	160.8	114.1	-46.7	928.5	62
IW-2	1205	329	252	231.2	193.2	-38	1008.2	20
IW-3	1174	310	283	254.6	253.1	-1.5	917.6	20
IW-4	1192	330	295	210.6	263.1	52.5	928.6	18
IW-5	1177	380	294	108.3	210	101.7	930.4	100
IW-6	1176	380	320	154.3	174.3	20	924.1	35
IW-7	1243	197	160	75.2	50.3	-24.9	1141	30
IW-8	1267	184	172	51.2	53	1.8	1208.2	35
IW-11	1429	296	275	234.8	149.1	-85.7	1184.8	20
MW-1	1178	305	232	88.2	88.3	.1	1012.7	14
MW-3	1174	296	253	252.7	238.1	-14.6	923.8	10
SITE 401	1206	35	25	6.4	7.0	.6	1191.2	4
MW-2	1176	279	N/A	144.6	155.6	11	946.8	N/A
MW-4	1196	285	N/A	31.6	31.5	-.1	932.6	N/A
MW-5	1163	120	N/A	34.2	36.7	2.5	1120.9	N/A
MW-6	1178	150	N/A	61.4	56.3	-5.1	1111.3	N/A
MW-7	1149	135	N/A	11.5	12.7	1.2	1130.3	N/A

TABLE 4

Fort Knox Mine
Permit # 2006-DB0043, 4th Quarter 2011

Piezometer Measurements and Change from the 3rd Quarter 2011.

Well ID	Well Angle	Angle Degree	Vertical Depth in ft	Depth to Water(ft) 9/24/2011	Depth to Water(ft) 12/11/2011	Change From 3 rd QTR
PZ-1	420	60	324	103.3	117.9	14.6
PZ-2	450	60	371	68.9	73.3	4.4
PZ-3	445	60	365	80.6	88	7.4
PZ-4	550	60	523	10.1	13.1	3
PZ-5	450	60	190	178.1	180.3	2.2
PZ-6	150	60	12	123.8	129.2	5.4
PZ-7	200	60	85	64.3	63.8	-.5
KPPZ-1	142	-	-	N/A	N/A	N/A
KPPZ-2	122	-	-	N/A	N/A	N/A
KPPZ-3	133	-	-	N/A	N/A	N/A
KPPZ-4	119	-	-	N/A	N/A	N/A
KPPZ-5	124	-	-	N/A	N/A	N/A
KPPZ-6	112	-	-	N/A	N/A	N/A

NA-No safe access after construction season 2011

Automatic piezometers will be installed fall of 2012.

TABLE 5
Piezometers

Well ID	Well Depth	Depth to Water(ft) 9/26/2011	Depth to Water(ft) 12/28/2011	Change From 3 rd QTR
PZ08-01	120	54.33	69.78	15.45
PZ08-02	120	46.59	47.71	1.12
PZ08-03	115	77.26	77.68	0.42
PZ08-04	96	17.79	17.79	-
PZ08-05	155	90.35	91.86	1.51
PZ08-06	185	37.67	36.13	-1.54
PZ08-07	160	57.51	56.88	-0.63
PZ08-08	135	63.34	59.81	-3.53
PZ08-09	135	FRZ	FRZ	-
PZ08-10	100	11.96	11.03	-0.93
PZ08-11	100	DRY	80.78	-19.22
PZ08-12	90	31.85	32.59	0.74
PZ08-13	62	45.15	43	-2.15
PZ08-14	37	8.72	11.39	2.67
PZ08-15	82	50.64	49.9	-0.74

Heap Leach Sampling

Water samples and water levels were collected from the Heap Leach monitoring wells HL-1, HL-2, & HL-3, OL-296 as well as the Pregnant Solution. Analytical results are located in Attachment B. For the safety of mine personnel, samples were not taken on days marked "blocked" due to ongoing Heap Leach dam construction.

Attachment C- Water quality graphs from compliance sample points.

Attachment D-Graphs of the four metals in Tailings Decant and Seepage

Attachment E-Interceptor and Monitoring Well Groundwater Contour

Attachment F-Fort Knox Spill Log

Attachment G-Inert Solid Waste Landfill Summary

Attachment H-Fort Knox Waste Log Summary

Pit Lake Update

The Pit Lake Update is not completed by Schlumberger at this time. It should be finished and submitted by the week of March 5, 2012.

Petroleum, Hazardous Substances, and Process Solution Spills

During the 4th Qtr. 2011 Fort Knox had 31 petroleum spills, 8 glycol spills, and 2 process solution spills. The spills were reported to the ADEC in accordance with discharge notification and reporting requirements, and there was no contamination of surface or groundwater. The Fort Knox Mine Spill Reporting Log, containing a list of the year to date spills, has been included in Attachment F for your review. If you have any questions or require additional information, please call me at (907) 490-2238.

Respectfully,



Dave Stewart
Environmental Coordinator

cc: (by PDF file)
Alvin Ott, ADNR-OHM&P
Jim Vohden, ADNR
Brent Martellaro, ADNR
Steve McGroarty PE, ADNR
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Cindi Godsey, EPA
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ATTACHMENT A

Compliance Monitoring Data Report

FORT KNOX MINE 2011 COMPLIANCE SAMPLING DATA

FAIRBANKS GOLD MINING, INC.
FORT KNOX MINE

FORT KNOX MINE COMPLIANCE SAMPLING DATABASE

This document comprises a hard copy of the Fort Knox Mine compliance sampling results for the fourth quarter of 2011. The previous four (4) quarters of compliance and baseline sample data are also included for tracking purposes. The objective of this monitoring program is to document and track local surface and groundwater conditions and characterizes overburden, waste, and ore rock for acid rock drainage potential, as specified in Waste Management Permit 2006-DB0043 at the Fort Knox Mine.

The data is divided into the following sections:

- Major ion chemistry
- Minor ion chemistry
- Trace ion chemistry
- HL-1, HL-2, HL-3, OL-296, Monitoring Well Data, Pregnant Solution, Under Drain Water Levels
- Upper Tolerance Limits Table for Water Quality Exceedances for Compliance Groundwater and Surface Water Sampling Points
- Meteoric Water Mobility
- Acid Rock Drainage Characterization

COMPLIANCE SURFACE WATER PROCESS WATER QUALITY DATA

FAIRBANKS GOLD MINING, INC.
FORT KNOX MINE

Process Surface Water - Major Ion Chemistry

Site	Date	No Sample	Reason If No Sample	Bic Alk	Tot Alk	Ca	Cl	Mg Hard	pH	Lab pH	K	Si	Na	SS	SO4	Lab Cond.	Temp. (C)	TDS	TSS	Tur
Tailings Seepage	11/03/2010	96	76.8	28	192	70	17.1	7.7	5.9	5.5	44.7	<0.1	728	176	5.1	480	<5	0.7		
Tailings Seepage	01/05/2011	94	94	78.6	29	197	73	17.7	7.6	6.1	4.9	44.1	<0.1	691	187	6	490	<5	2.4	
Tailings Seepage	04/11/2011	93	93	75	31	188	70	16.9	8.2	5.9	4.4	47	<0.1	706	181	5.9	480	<5	0.6	
Tailings Seepage	07/06/2011	95	95	77.3	30	193	74	17.9	7.8	6	4.5	44.2	<0.1	709	177	7.3	460	<5	2	
Tailings Seepage	10/03/2011	97	97	73.6	30	184	74	18.1	7.9	5.9	4.1	43.9	<0.1	703	184	5.7	450	<5	2.5	
Tailing Filtrate	11/02/2010	29	40	33.3	53	83	3	0.8	8.9	12.8	5.7	108	<0.1	711	161		470	18	367	
Tailing Filtrate	01/26/2011	31	33	40.8	49	102	6	1.5	8.5	12.3	9.3	97.8	<0.1	696	160		460	20	54.7	
Tailing Filtrate	04/06/2011	7	37	43.9	58	110	3	0.8	9.5	13	16.5	99.8	<0.1	726	160		470	84	101	
Tailing Filtrate	07/12/2011	14	41	37.7	50	94	2	0.6	9.3	16	16.7	96.2	<0.1	684	146		450	19	61.8	
Tailing Filtrate	10/06/2011	39	67	65.6	44	164	5	1.2	9.2	10.7	6.4	88.6	<0.1	771	160		490	14	26.3	
Tailing Decant	11/08/2010	65	65	50.8	43	127	19	4.6	8.1	10.6	8	87.7	<0.1	725	154	3.1	450	7	23.6	
Tailing Decant	01/10/2011	76	76	57.2	38	143	23	5.5	8.3	10.3	5.3	88.1	<0.1	748	170	1.1	480	6	15.7	
Tailing Decant	04/05/2011	70	70	50.2	37	126	21	5.1	8.2	10	8.2	84.3	<0.1	715	157	3.3	430	<5	26.5	
Tailing Decant	07/06/2011	58	58	46	32	115	20	4.8	8	10.3	7.7	72.8	<0.1	634	143	13.6	390	7	29.4	
Tailing Decant	10/05/2011	59	59	49.8	34	125	19	4.6	8	10.5	7	76.7	<0.1	672	153	6.1	430	19	46.4	
801	09/28/2011	53	53	34.6	14	87	55	13.4	8	2.2	3	10.3	<0.1	340	66	8.1	210	<5	3.9	
801	10/24/2011	62	62	38.5	15	96	60	14.5	7.9	2.3	5	11.2	<0.1	357	68	3.3	200	<5	0.6	
501	11/08/2010	42	42	35	35	88	67	16.4	7.9	3.7	4.6	67.5	<0.1	632	137	6.9	400	<5	0.1	
501	01/05/2011	39	39	36.6	37	92	72	17.6	7.9	3.9	3.8	65	<0.1	616	155	9	430	<5	0.2	
501	04/11/2011	40	40	37.1	38	93	75	18.2	8	3.6	3.6	67.5	<0.1	650	154	5	420	<5	0.3	
501	07/05/2011	40	40	33.4	31	84	67	16.3	7.5	3.2	4.2	59.4	<0.1	580	136	9.1	390	32	12.5	
501	10/05/2011	37	37	33.8	33	85	72	17.6	7.9	3	3.7	61.3	<0.1	613	144	6.2	380	<5	0.2	
501	11/28/2011	36	36	36.4	37	91	79	19.2	7.8	3.1	4.1	63.2	<0.1	623	151	6.5	410	<5	3	

Process Surface Water - Minor Ion Chemistry

Site	Date	Reason If No Sample	NH4	As	CN	F	Fe	Mn	NO3	NO2	P	TPH	WAD CN
Tailings Seepage	11/03/2010		0.48	<0.0005	0.145	0.1	0.19	0.408	7.57	0.05	0.02	<0.1	0.034
Tailings Seepage	01/05/2011		0.44	0.0008	0.149	0.1	0.22	0.39	7.69	0.05	0.02	<0.1	0.024
Tailings Seepage	04/11/2011		0.36	<0.0005	0.157	0.1	0.26	0.345	7.84	0.06	0.01	<0.1	0.025
Tailings Seepage	07/06/2011		0.39	<0.0005	0.147	0.2	0.19	0.375	7.28	0.04	<0.01	<0.1	0.02
Tailings Seepage	10/03/2011		0.32	<0.0005	0.128	0.1	0.13	0.333	8.01	0.04	0.02	<0.1	0.013
Tailing Filtrate	11/02/2010		4.5	0.0283	11.7	1.1	0.76	<0.005	11.4	0.91	0.12	<0.1	8.3
Tailing Filtrate	01/26/2011		3.12	0.0281	9.2	0.6	1.07	<0.005	13.1	1.02	0.02	<0.1	7
Tailing Filtrate	04/06/2011		3.99	<0.0005	15.4	1.1	1.69	0.018	14	0.9	0.01	<0.1	12.2
Tailing Filtrate	07/12/2011		5.6	0.0567	12.7	0.8	1.3	0.007	16.4	1.03	0.07	<0.1	9.7
Tailing Filtrate	10/06/2011		3.69	0.034	10.4	0.8	0.76	<0.005	18	2.7	0.05	<0.1	7.9
Tailing Decant	11/08/2010		3.35	0.0213	3.6	0.7	0.41	0.073	11.4	0.89	0.03	<0.1	3
Tailing Decant	01/10/2011		2.84	0.022	1.51	0.8	0.31	0.113	11.4	0.98	0.02	<0.1	9.3
Tailing Decant	04/05/2011		2.71	0.0196	2.56	0.7	0.57	0.11	10.2	0.8	0.01	<0.1	1.47
Tailing Decant	07/06/2011		3.25	0.0341	0.056	0.7	0.33	0.078	11	0.7	0.03	<0.1	0.013
Tailing Decant	10/05/2011		1.86	0.0423	0.131	0.6	0.55	0.085	11.1	2.8	0.05	<0.09	0.038
801	05/11/2011			0.023							0.02		
801	07/19/2011			0.028							0.027		
801	09/26/2011	<0.05	<0.0005	0.043	<0.1	0.24	0.036	4.99	0.03	0.03	<0.1	0.042	
801	10/24/2011	<0.05	0.0008	0.084	<0.1	0.05	0.016	5.4	<0.01	<0.01	<0.1	0.036	
501	11/08/2010	<0.05	0.0007	0.63	0.2	0.21	0.015	13.7	<0.01	0.01	<0.1	0.064	
501	01/05/2011	<0.05	0.0014	0.71	0.3	0.24	0.027	14.5	<0.01	0.01	<0.1	0.079	
501	04/11/2011	<0.05	0.0008	0.66	0.2	0.29	0.023	15.3	<0.1	<0.01	<0.1	0.097	
501	07/05/2011	<0.05	0.0009	0.527	0.2	0.2	0.024	14.2	<0.01	<0.01	<0.1	0.051	
501	10/05/2011	<0.05	0.0006	0.33	0.1	0.12	0.023	14.7	<0.01	<0.01	<0.1	0.035	
501	11/28/2011	<0.05	0.0008	0.383	0.2	0.14	0.043	19.4	<0.01	<0.01	<0.1	0.069	

Process Surface Water - Trace Ion Chemistry

Site	Date	Reason If No Sample	Al	As	Ba	Bi	Cd	Cr	Cu	Pb	Hg	Ni	Se	As	Zn
Tailings Seepage	11/03/2010		0.0306	0.016	<0.04	<0.0001	<0.01	<0.0002	<0.0002	0.02	0.0018	<0.01	<0.01	<0.01	<0.01
Tailings Seepage	01/05/2011		0.0337	0.017	<0.04	<0.0001	<0.01	<0.0002	<0.0002	<0.01	0.0017	<0.01	<0.01	0.01	<0.01
Tailings Seepage	04/11/2011		0.0395	0.014	<0.04	<0.0001	<0.01	<0.0003	<0.0002	0.01	0.0018	<0.01	<0.01	<0.01	<0.01
Tailings Seepage	07/06/2011	0.03	0.0289	0.017	<0.04	<0.0001	<0.01	0.01	<0.0001	<0.0002	<0.01	0.0016	<0.01	<0.01	<0.01
Tailings Seepage	10/03/2011	<0.03	0.0333	0.013	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0015	<0.01	<0.01	<0.01	<0.01
Tailing Filtrate	11/02/2010		0.0225	<0.04	0.0001	<0.01	0.13	<0.0001	0.0003	0.01	0.0063	<0.01	0.07	0.07	
Tailing Filtrate	01/26/2011		0.0216	0.063	<0.04	0.0003	<0.01	0.28	0.0015	<0.0002	0.02	0.0063	<0.01	0.04	
Tailing Filtrate	04/06/2011		<0.0004	0.043	<0.04	<0.0001	<0.01	0.25	<0.0001	<0.0002	0.02	<0.0001	0.12		
Tailing Filtrate	07/12/2011	3.91	0.0269	0.078	<0.04	0.0009	<0.01	0.13	0.0024	<0.0002	0.03	0.0058	<0.01	0.09	
Tailing Filtrate	10/06/2011	0.94	0.0227	0.028	0.05	0.0008	<0.01	0.13	0.0005	<0.0002	0.01	0.0036	<0.01	0.09	
Tailing Decant	11/08/2010		0.024	0.041	<0.04	<0.0001	<0.01	0.14	0.0007	<0.0002	0.02	0.0062	<0.01	0.01	
Tailing Decant	01/10/2011		0.0246	0.023	<0.04	<0.0001	<0.01	0.23	0.0005	<0.0002	<0.01	0.0065	<0.01		
Tailing Decant	04/05/2011		0.0206	0.018	<0.04	<0.0001	<0.01	0.25	0.0005	<0.0002	0.01	0.0056	<0.01		
Tailing Decant	07/06/2011	1.89	0.0263	0.044	<0.04	<0.0001	<0.01	0.04	0.0013	<0.0002	0.02	0.0004	<0.01	<0.01	
Tailing Decant	10/05/2011	1.67	0.0281	0.043	<0.04	<0.0001	<0.01	0.04	0.0011	<0.0002	<0.01	0.0031	<0.01	0.01	
801	09/26/2011	0.16	<0.0004	0.008	<0.04	<0.0001	<0.01	<0.01	<0.0001	<0.0002	<0.01	0.0009	<0.01	0.01	
801	10/24/2011	<0.03	<0.0004	0.005	<0.04	<0.0001	<0.01	<0.01	<0.0001	<0.0002	<0.01	0.0056	<0.01	<0.01	
501	11/08/2010		0.0113	0.012	<0.04	<0.0001	<0.01	<0.01	<0.0001	<0.0002	<0.01	0.0034	<0.01	<0.01	
501	01/05/2011		0.0102	0.011	<0.04	<0.0001	<0.01	<0.01	<0.0001	<0.0002	<0.01	0.0036	<0.01	0.02	
501	04/11/2011		0.0081	0.009	<0.04	<0.0001	<0.01	<0.01	<0.0001	<0.0002	<0.01	0.0035	<0.01	<0.01	
501	07/05/2011	0.05	0.0067	0.01	<0.04	<0.0001	<0.01	<0.01	<0.0001	<0.0002	<0.01	0.0028	<0.01	<0.01	
501	10/05/2011	<0.03	0.0066	0.01	<0.04	<0.0001	<0.01	<0.01	<0.0001	<0.0002	<0.01	0.0024	<0.01	0.02	
501	11/26/2011	0.04	0.0059	0.012	<0.04	<0.0001	<0.01	<0.01	<0.0001	<0.0002	<0.01	0.0025	<0.01	0.01	

COMPLIANCE SURFACE WATER NON-PROCESS WATER QUALITY DATA

FAIRBANKS GOLD MINING, INC.
FORT KNOX MINE

Non-Process Surface Water - Major Ion Chemistry

Site	Date	Bic	Ca	Mg	Na	SS	Lab Cond.	SO4	Temp. (C)	TDS	TSS	Tur.
	Reason If No Sample	Total Alk	Ca Hard	Mg Hard	K pH	Lab pH	Cond.					
Lower Wetlands	11/10/2010	129	129	42.8	<1	107	36	8.7	8.1	1.5	4.8	5.5
Lower Wetlands	01/10/2011	123	123	42.5	<1	106	36	8.8	8.1	1.7	3.7	5.4
Lower Wetlands	04/05/2011	110	110	39.4	<1	98	31	7.6	8	1.6	4.9	5.1
Lower Wetlands	07/06/2011	34	34	12.3	1	31	11	2.7	7.6	0.8	3.4	1.8
Lower Wetlands	10/03/2011	77	77	25.1	<1	63	23	5.6	8.2	1.5	3.1	3.2

Non-Process Surface Water - Minor Ion Chemistry

Site	Date	Reason If No Sample	NH4	As	CN	F	Fe	Mn	NO2	P	TPH	WAD CN
Victoria Creek Lower	08/17/2011		<0.05	<0.0005	<0.003	0.5	0.05	0.005	0.51	<0.01	<0.1	<0.003
Upper Wetlands	11/10/2010		<0.05	0.001	<0.003	0.1	0.49	0.571	<0.02	<0.01	0.02	<0.1
Upper Wetlands	01/10/2011		0.5	0.0129	<0.003	0.2	20.4	2.25	0.06	0.01	0.1	<0.003
Upper Wetlands	04/04/2011		0.85	0.0381	<0.003	<0.1	38.8	2.36	0.07	0.04	0.36	<0.1
Upper Wetlands	07/06/2011		<0.05	0.0031	<0.003	0.1	1.84	0.048	<0.02	<0.01	0.05	0.1
Upper Wetlands	10/03/2011		<0.05	0.0019	<0.003	0.1	1.26	0.118	<0.02	<0.01	0.03	<0.1
Rinse	11/15/2010		<0.05	<0.0005	<0.003	<0.1	0.23	0.407	<0.02	<0.01	0.01	<0.003
Rinse	03/02/2011		<0.05	<0.0005	<0.003	<0.1	<0.02	<0.005	<0.02	<0.01	<0.01	<0.003
Rinse	04/06/2011		<0.05	0.0252	<0.003	<0.1	<0.02	<0.005	<0.02	<0.01	<0.01	<0.003
Rinse	07/27/2011		<0.05	<0.0005	<0.003	<0.1	0.02	<0.005	<0.02	<0.01	0.01	<0.003
Rinse	10/03/2011		<0.05	<0.0005	<0.003	<0.1	<0.02	<0.005	<0.02	<0.01	0.02	<0.003
Pearl Creek	01/10/2011	Frozen										
Pearl Creek	06/27/2011		<0.05	0.0009	<0.003	0.6	<0.02	<0.005	1.01	<0.01	0.01	<0.1
Pearl Creek	07/12/2011		<0.05	0.0007	<0.003	0.7	0.03	<0.005	1.13	<0.01	<0.01	<0.09
Pearl Creek	10/10/2011		<0.05	0.0005	<0.003	0.7	0.1	<0.005	1.06	<0.01	<0.01	<0.003
Lower Wetlands	11/10/2010		0.07	0.001	<0.003	0.1	0.91	0.406	0.03	<0.01	0.02	<0.1
Lower Wetlands	01/10/2011		0.09	0.0018	<0.003	0.2	1.28	0.729	0.02	<0.01	0.02	<0.1
Lower Wetlands	04/05/2011		0.14	0.003	<0.003	0.2	2.26	0.361	<0.02	<0.01	0.05	<0.1
Lower Wetlands	07/06/2011		<0.05	0.0011	<0.003	<0.1	1.06	0.083	<0.02	<0.01	0.02	<0.1
Lower Wetlands	10/03/2011		0.11	0.0015	<0.003	<0.1	0.94	0.064	<0.02	0.01	0.03	<0.1

Non-Process Surface Water - Trace Ion Chemistry

Site	Date	Reason If No Sample	Hg	As	Sb	Ba	Bi	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Zn
Lower Wetlands	11/10/2010		<0.0004	0.026	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0001	<0.01	<0.01	<0.01	<0.01	<0.01
Lower Wetlands	01/10/2011		<0.0004	0.025	0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
Lower Wetlands	04/05/2011		<0.0004	0.017	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.01
Lower Wetlands	07/06/2011	0.4	<0.0004	0.023	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.01
Lower Wetlands	10/03/2011	0.1	<0.0004	0.021	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.01

COMPLIANCE GROUNDWATER PROCESS WATER QUALITY DATA

FAIRBANKS GOLD MINING, INC.
FORT KNOX MINE

Process Ground Water - Major Ion Chemistry

Site	Date	Reason If No Sample	Bic Alk	Tot Alk	Ca	Cl	Ca Hard	Mg Hard	Mg Lab	K	Si	Na	Lab Cond.	SO4	S	Temp. (C)	TDS	TSS	Tur	
IW-8	11/03/2010		53	53	54.7	21	132	48	122	7.8	1.9	4.9	17.7	465	89	<0.02	3.2	280	6	8.5
IW-8	01/05/2011		53	53	54.5	22	143	52	12	7.7	2.1	4.8	17.8	449	102	<0.02	4	310	<5	0.1
IW-8	04/06/2011		54	54	53.3	25	145	52	12	7.7	2	4.8	17.9	488	102	<0.02	2	310	<5	0.2
IW-8	07/05/2011		46	46	40.7	19	107	40	9.1	7.5	1.9	4.3	16	398	79	<0.02	6.7	260	5	3.8
IW-8	10/05/2011		52	52	42.7	18	116	44	9.8	7.9	1.8	4.8	17.6	417	88	<0.02	2.3	240	<5	0.2
IW-11	11/03/2010		55	55	53.4	27	132	65	16.3	7.6	1.6	5.5	34.3	549	119	<0.02	2.9	350	<5	0.8
IW-11	01/27/2011	Dup	53	53	55.3	30	129	64	17.1	7.8	1.5	5.1	33	539	118	<0.02	<15.5	330	<5	0.4
IW-11	01/27/2011		52	52	54.6	30	126	63	17.2	7.8	1.7	5.2	33.6	547	118	<0.02	3.60	<5	0.6	
IW-11	04/06/2011		54	54	51.4	30	135	66	15.7	7.6	1.8	5.3	33.7	570	127	<0.02	5.1	360	<5	0.2
IW-11	07/05/2011		49	49	46	31	125	68	15.1	7.4	1.9	5.1	38.7	552	127	<0.02	9.3	370	<5	0.5
IW-11	10/05/2011		51	51	46.9	27	124	65	15.1	7.8	1.6	5.3	25.2	554	134	<0.02	5.4	340	<5	0.2
401	11/01/2010		68	68	45.1	16	115	44	10.7	7.5	1.5	5.2	9.6	369	67	<0.02	3.9	240	<5	0.6
401	01/28/2011		61	61	48.4	19	118	47	11.8	8	1.6	4.9	11.5	406	78	<0.02	<1.7	230	<5	0.5
401	04/06/2011		59	59	48.4	21	133	53	12	7.6	1.6	5.1	11.8	423	80	<0.02	1.6	260	<5	0.3
401	07/11/2011		46	46	32.1	13	82	34	8.2	7.8	1.3	4.3	8.5	287	49	<0.02	4.5	210	8	4.5
401	10/05/2011		56	56	35.8	13	97	40	9.1	7.6	1.3	5.1	10.2	329	56	<0.02	3.4	190	<5	0.2

Process Ground Water - Minor Ion Chemistry

Site	Date	Reason If No Sample	NH4	As	CN	F	Fe	Mn	NO2	P	TPH	WAD CN
MW-1	11/08/2010	<0.05	0.0012	<0.03	<0.1	1.81	0.824	0.26	0.02	0.01		<0.003
MW-1	01/27/2011	0.06	0.0011	0.004	<0.1	1.86	0.714	0.7	0.04	0.02		<0.003
MW-1	04/11/2011	<0.05	0.001	<0.03	<0.1	1.27	0.689	0.44	0.03	0.01		<0.003
MW-1	07/04/2011	0.07	0.0011	<0.03	<0.1	0.08	0.651	0.46	<0.01	0.01		<0.003
MW-1	10/24/2011	0.06	0.0005	0.005	<0.1	1.77	0.718	0.38	0.02	0.36		<0.003
MW-2	11/03/2010	<0.05	0.0016	<0.03	<0.1	4.57	0.668	<0.02	0.02	0.02		<0.003
MW-2	01/19/2011	0.05	0.0011	<0.03	<0.1	4.24	0.702	0.09	0.02	0.01		<0.003
MW-2	04/11/2011	<0.05	0.0006	<0.03	<0.1	<0.02	0.482	0.08	0.01	0.03		<0.003
MW-2	07/04/2011	<0.05	<0.0005	<0.03	<0.1	0.03	0.509	<0.02	<0.01	0.01		<0.003
MW-2	10/05/2011	<0.05	<0.0005	<0.03	<0.1	21.4	1.37	<0.02	<0.01	<0.01		<0.003
MW-3	11/08/2010	<0.05	0.0021	<0.03	<0.1	<0.02	0.173	<0.02	<0.01	0.01		<0.003
MW-3	01/05/2011	<0.05	0.0022	<0.03	0.1	0.08	0.166	0.04	<0.01	0.02		<0.003
MW-3	04/11/2011	<0.05	0.0023	<0.03	<0.1	<0.02	0.145	0.08	0.01	<0.01		<0.003
MW-3	07/04/2011	<0.05	0.0015	<0.03	0.1	<0.02	0.28	<0.02	<0.01	<0.01		<0.003
MW-3	10/24/2011	<0.05	0.0007	<0.03	<0.1	0.06	0.174	0.04	<0.01	<0.01		<0.003
IW-2	11/09/2010	0.05	<0.0005	0.005	<0.1	0.39	0.751	<0.02	<0.01	<0.01		0.003
IW-2	01/27/2011	<0.05	0.0048	0.004	0.1	10.9	0.332	3.61	<0.01	<0.01		<0.003
IW-2	04/11/2011	<0.05	<0.0005	0.004	<0.1	<0.02	0.641	0.07	0.01	<0.01		<0.003
IW-2	07/04/2011	<0.05	0.0008	0.004	<0.1	<0.02	0.632	<0.02	<0.01	<0.01		<0.003
IW-2	10/24/2011	0.06	<0.0005	0.005	<0.1	0.43	0.726	<0.02	<0.01	<0.01		<0.003
IW-3	11/09/2010	<0.05	0.0009	<0.03	0.1	0.03	0.133	<0.02	<0.01	<0.01		<0.003
IW-3	01/04/2011	<0.05	0.0022	<0.03	0.1	0.28	0.143	<0.02	<0.01	0.01		<0.003
IW-3	04/06/2011	<0.05	0.0016	0.004	0.2	<0.02	0.131	<0.02	<0.01	<0.01		<0.003
IW-3	07/04/2011	<0.05	0.0011	<0.03	0.1	<0.02	0.131	0.05	<0.01	<0.01		<0.003
IW-3	10/24/2011	<0.05	0.0009	<0.03	<0.1	0.08	0.291	<0.02	<0.01	<0.01		<0.003
IW-4	10/27/2010	<0.05	<0.0005	0.066	0.3	0.1	0.064	3.08	<0.01	<0.01		0.017
IW-4	01/04/2011	<0.05	0.0005	0.081	0.4	0.09	0.062	3.37	<0.01	<0.01		0.022
IW-4	04/06/2011	<0.05	<0.0005	0.092	0.4	0.02	0.049	3.61	<0.01	<0.01		0.018
IW-4	07/04/2011	<0.05	<0.0005	0.003	0.7	<0.02	0.091	<0.02	<0.01	<0.01		<0.003
IW-4	10/05/2011	<0.05	0.0005	<0.03	0.3	0.28	0.139	0.04	<0.01	<0.01		<0.003
IW-5	10/27/2010	0.28	<0.0005	0.011	0.1	0.52	0.634	2.39	0.01	<0.01		0.005
IW-5	01/04/2011	0.28	0.0009	0.013	0.1	0.47	0.602	2.66	<0.01	0.01		0.007
IW-5	04/06/2011	0.28	<0.0005	0.01	0.1	0.08	0.604	2.69	<0.01	<0.01		0.004
IW-5	07/04/2011	0.25	0.0009	0.011	0.1	<0.02	0.545	2.87	<0.01	<0.01		0.004

Process Ground Water - Minor Ion Chemistry

Site	Date	Reason If No Sample	NH4	As	CN	F	Fe	Mn	NO3	NO2	P	TPH	WAD CN
IW-5	10/17/2011		0.27	<0.0005	0.1	0.35	0.601	2.8	<0.01	<0.01			<0.003
IW-6	10/27/2010		<0.05	<0.0005	<0.1	0.42	0.502	<0.02	<0.01	0.02			<0.003
IW-6	01/04/2011		<0.05	0.0009	<0.1	0.46	0.518	0.04	<0.01	0.01			<0.003
IW-6	04/11/2011		0.44	<0.0005	<0.1	<0.02	0.447	0.09	0.01	<0.01			<0.003
IW-6	07/04/2011		<0.05	0.0008	<0.003	<0.1	0.12	0.416	<0.02	<0.01	<0.01		<0.003
IW-6	10/17/2011		<0.05	<0.0005	<0.003	<0.1	1.42	0.983	<0.02	<0.01	<0.01		<0.003
IW-7	11/03/2010		<0.05	<0.0005	0.043	<0.1	0.02	<0.005	3.92	<0.01	<0.01		0.018
IW-7	01/26/2011		<0.05	<0.0005	0.018	<0.1	<0.2	<0.05	4.29	<0.01	<0.01		0.003
IW-7	04/06/2011		<0.05	<0.0005	0.036	<0.1	<0.02	<0.005	3.65	<0.01	<0.01		0.012
IW-7	07/04/2011		<0.05	<0.0005	0.032	<0.1	<0.02	<0.005	3.83	<0.01	<0.01		0.01
IW-7	10/05/2011		<0.05	<0.0005	0.035	<0.1	<0.02	<0.005	3.14	0.01	<0.01		0.007
IW-8	11/03/2010		<0.05	0.0006	0.213	<0.1	0.1	<0.005	9.1	<0.01	<0.01		0.05
IW-8	01/05/2011		<0.05	<0.0005	0.209	<0.1	0.13	0.012	9.6	<0.01	<0.01		0.045
IW-8	04/06/2011		<0.05	<0.0005	0.222	<0.1	0.06	<0.005	9.4	<0.01	<0.01		0.044
IW-8	07/05/2011		<0.05	<0.0005	0.208	<0.1	0.46	<0.005	8.32	<0.01	<0.01		0.02
IW-8	10/05/2011		<0.05	<0.0005	0.202	<0.1	0.08	<0.005	8.66	<0.01	<0.01		0.019
IW-11	11/03/2010		<0.05	0.0006	0.293	<0.1	0.13	0.006	11.2	0.02	<0.01		0.062
IW-11	01/27/2011	Dup	<0.05	<0.0005	0.38	<0.1	0.27	0.006	11.8	0.02	<0.01		0.03
IW-11	04/06/2011		<0.05	<0.0005	0.44	<0.1	0.12	<0.005	9.9	0.03	<0.01		0.053
IW-11	07/05/2011		<0.05	<0.0005	0.413	<0.1	0.2	<0.005	12.2	0.02	<0.01		0.053
IW-11	10/05/2011		<0.05	<0.0005	0.285	<0.1	0.11	<0.005	12.2	0.03	<0.01		0.028
IW-1	11/08/2010		<0.05	0.0041	<0.003	<0.1	<0.02	0.062	0.21	0.19	<0.01		<0.003
IW-1	01/04/2011		<0.05	0.0046	<0.003	<0.1	0.03	0.067	0.21	0.17	<0.01		<0.003
IW-1	04/11/2011		<0.05	0.0043	<0.003	<0.1	<0.02	0.045	0.27	0.2	<0.01		<0.003
IW-1	07/04/2011		<0.05	0.004	<0.003	<0.1	<0.02	0.052	0.24	0.17	<0.01		<0.003
401	11/01/2010		<0.05	<0.0005	0.162	<0.1	0.06	0.015	6.57	<0.01	0.01		0.03
401	01/26/2011		<0.05	<0.0005	0.163	<0.1	0.07	0.009	7.91	<0.01	<0.01		0.026
401	04/06/2011		<0.05	<0.0005	0.179	<0.1	0.05	<0.005	7.29	<0.01	<0.01		0.033
401	07/11/2011		<0.05	<0.0005	0.125	<0.1	0.18	0.009	4.43	<0.01	<0.01		0.014
401	10/05/2011		<0.05	<0.0005	0.141	<0.1	0.06	0.009	5.91	<0.01	0.02		0.017

Process Ground Water - Trace Ion Chemistry

Site	Date	Reaison If No Sample	Al	As	Se	Bi	Cd	Cd	Cu	Pb	Hg	Ni	Se	Ag	Zn
IW-8	11/03/2010		<0.0004	0.005	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.002	<0.01	<0.01	<0.01	<0.01
IW-8	01/05/2011		<0.0004	0.006	<0.04	<0.0001	<0.01	<0.0002	<0.0002	<0.01	0.0023	<0.01	<0.01	<0.01	<0.01
IW-8	04/06/2011		<0.0004	0.031	<0.04	<0.0001	<0.01	<0.0002	<0.0002	<0.01	0.0021	<0.01	<0.01	<0.01	<0.01
IW-8	07/05/2011		<0.0004	<0.003	<0.04	<0.0001	<0.01	<0.0012	<0.0002	<0.01	0.0018	<0.01	<0.01	<0.01	<0.01
IW-8	10/05/2011		<0.0004	<0.003	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0018	<0.01	<0.01	<0.01	<0.01
IW-11	11/03/2010		0.0009	0.006	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0027	<0.01	<0.01	<0.01	<0.01
IW-11	01/07/2011	Dup	0.0011	<0.003	<0.04	<0.0001	<0.01	<0.0002	<0.0002	<0.01	0.0027	<0.01	<0.01	<0.01	<0.01
IW-11	01/07/2011		0.0011	0.003	<0.04	<0.0001	<0.01	<0.0002	<0.0002	<0.01	0.0029	<0.01	<0.01	<0.01	<0.01
IW-11	04/06/2011		0.001	0.006	0.04	<0.0001	<0.01	<0.0002	<0.0002	<0.01	0.0025	<0.01	<0.01	<0.01	<0.01
IW-11	07/05/2011		0.0009	<0.003	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0027	<0.01	<0.01	<0.01	<0.01
IW-11	10/05/2011		0.001	<0.003	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0026	<0.01	<0.01	<0.01	<0.01
401	11/01/2010		<0.0004	0.024	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0014	<0.01	<0.01	<0.01	<0.01
401	01/26/2011		<0.0004	0.021	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0018	<0.01	<0.01	<0.01	<0.01
401	04/06/2011		<0.0004	0.052	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0016	<0.01	<0.01	<0.01	<0.01
401	07/11/2011		<0.0004	0.014	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0013	<0.01	0.19	<0.01	<0.01
401	10/05/2011		<0.0004	0.016	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	0.0011	<0.01	<0.01	<0.01	<0.01

**COMPLIANCE GROUNDWATER
NON-PROCESS WATER QUALITY DATA**

**FAIRBANKS GOLD MINING, INC.
FORT KNOX MINE**

Non-Process Ground Water - Major Ion Chemistry

Site	Date	Bic	Tot Alk	Ca	Cl	Mg Hard	Mg Lab	K	Si	Na	Lab Cond.	SO4	S	Temp. (C)	TDS	TSS	Tur		
MW-5	11/03/2010	383	363	120	3	290	55	14.1	7.8	1.5	13.4	20.7	672	<1	0.05	3.1	440	<5	11.8
MW-5	01/24/2011	353	353	121	3	298	56	13.7	8	1.8	13.9	20.7	665	<2	0.05	2.9	400	<5	12.8
MW-5	04/13/2011	352	352	114	3	273	53	13.3	8.2	1.6	13.2	19.5	626	<1	0.08	2.8	440	<5	18.2
MW-5	07/05/2011	310	310	87.4	3	231	45	10	7.8	1.8	11.6	23.1	574	<1	0.06	7.3	390	<5	7.2
MW-5	07/05/2011	Dup	308	87.5	3	232	45	10	7.8	1.8	11.4	23.1	575	<1	0.05	7.3	380	<5	7.2
MW-5	10/17/2011	288	298	86	3	223	45	10.7	8.2	1.6	12.4	22.6	543	<5	0.07	5.3	380	<5	21.7
MW-6	11/03/2010	446	446	142	2	345	102	26	8	1.7	14.7	21	819	6	0.07	3.1	500	6	4.9
MW-6	01/24/2011	431	431	140	1	348	101	24.7	8.1	2	14.9	19.9	785	5	0.09	3.1	500	34	28.5
MW-6	04/13/2011	429	429	132	2	325	98	23.5	8.3	1.7	14.5	19.6	747	5	0.1	2.8	490	30	31.5
MW-6	07/05/2011	418	418	116	2	325	98	20.7	7.8	1.7	13.5	17.8	797	7	0.09	7.1	490	23	26.6
MW-6	10/17/2011	415	434	127	2	330	97	22.7	8.3	1.7	15	20.1	788	9	0.09	3.6	500	7	6
MW-7	12/06/2010	90	102	16.3	1	43	2	0.8	8.7	1	6.5	36.7	245	18	<0.02	6.9	170	<5	.8
MW-7	01/19/2011	95	102	17.9	1	45	4	0.8	8.7	1.3	6.2	38.6	243	18	<0.08	3.7	160	<5	0.2
MW-7	04/13/2011	94	103	17.7	1	44	4	1	8.6	1.2	6.5	38	242	19	<0.02	1.9	160	<5	0.1
MW-7	07/05/2011	92	99	15.6	<1	42	4	0.7	8.6	1.1	6.2	34.9	238	18	<0.02	5.3	160	<5	1
MW-7	10/17/2011	97	104	16.4	<1	41	3	0.7	8.6	1.1	6.7	37.1	237	21	<0.02	1.5	160	<5	0.6

Non-Process Ground Water - Minor Ion Chemistry

Site	Date	Reason If No Sample	NH4	As	CN	F	Fe	Mn	NO2	P	TPH	WAD CN
MW-5	11/03/2010		0.1	0.0009	<0.003	<0.1	8.71	1.32	<0.02	<0.01	0.02	<0.003
MW-5	01/24/2011		0.12	0.0006	<0.003	<0.1	8.66	1.36	0.07	0.02	0.01	<0.003
MW-5	04/13/2011		0.13	0.0006	<0.003	<0.1	7.59	1.29	<0.02	<0.01	0.01	<0.003
MW-5	07/05/2011		0.12	<0.0005	<0.003	0.1	4.84	0.938	<0.02	<0.01	0.01	<0.003
MW-5	07/05/2011	Dup	0.13	<0.0005	<0.003	0.1	4.85	0.937	<0.02	<0.01	0.02	<0.003
MW-5	10/17/2011		0.4	0.0012	<0.003	<0.1	17.2	1.18	<0.02	<0.01	0.07	<0.003
MW-6	11/03/2010		<0.05	0.0005	<0.003	<0.1	0.71	0.658	<0.02	<0.01	0.01	<0.003
MW-6	01/24/2011		<0.05	<0.01	<0.003	<0.1	0.76	0.69	<0.02	<0.01	0.02	<0.003
MW-6	04/13/2011		<0.05	<0.0005	<0.003	<0.1	0.69	0.657	<0.02	<0.01	<0.01	<0.003
MW-6	07/05/2011		<0.05	0.0007	<0.003	<0.1	<0.02	0.581	<0.02	<0.01	<0.01	<0.003
MW-6	10/17/2011		<0.05	<0.0005	<0.003	<0.1	0.67	0.659	<0.02	<0.01	<0.01	<0.003
MW-7	12/06/2010		<0.05	0.0013	<0.003	0.8	<0.02	0.029	<0.02	<0.01	0.02	<0.003
MW-7	01/19/2011		<0.05	0.0009	<0.003	0.8	0.03	0.048	<0.02	<0.01	0.02	<0.003
MW-7	04/13/2011		<0.05	0.0016	<0.003	0.7	<0.02	0.044	<0.02	<0.01	0.02	<0.003
MW-7	07/05/2011		0.05	0.0016	<0.003	0.7	<0.02	0.036	<0.02	<0.01	0.02	<0.003
MW-7	10/17/2011		<0.05	0.0012	<0.003	0.7	<0.02	0.041	<0.02	<0.01	<0.01	<0.003

Non-Process Ground Water - Trace Ion Chemistry

Site	Date	Reason If No Sample	Al	Sb	Bn	Bi	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Zn
MW-5	11/03/2010		<0.0004	0.04	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01
MW-5	01/24/2011		<0.0004	0.043	<0.04	<0.0001	0.01	<0.01	<0.0001	<0.0002	<0.01	0.0001	<0.01	<0.01	<0.01
MW-5	04/13/2011		<0.0004	0.038	<0.04	<0.0001	<0.01	<0.01	<0.0001	<0.0002	<0.01	<0.003	<0.01	<0.01	<0.01
MW-5	07/05/2011	Dup	<0.0004	0.024	<0.04	<0.0001	<0.01	<0.0006	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01
MW-5	07/05/2011		<0.0004	0.024	<0.04	<0.0001	<0.01	<0.0005	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01
MW-5	10/17/2011		<0.0004	0.035	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0006	<0.01	<0.01	<0.01	<0.01
MW-6	11/03/2010		<0.0004	0.005	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01
MW-6	01/24/2011		<0.01	0.008	<0.04	<0.0003	<0.01	<0.0003	<0.0002	<0.01	<0.0003	<0.01	<0.01	<0.01	<0.01
MW-6	04/13/2011		<0.0004	<0.003	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0003	<0.01	<0.01	<0.01	<0.01
MW-6	07/05/2011		<0.0004	<0.003	<0.04	<0.0001	<0.01	<0.0005	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01
MW-6	10/17/2011		<0.0004	<0.003	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0002	<0.01	<0.01	<0.01	<0.01
MW-7	12/08/2010		<0.0004	0.007	0.06	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01
MW-7	01/19/2011		<0.0004	<0.003	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01
MW-7	04/13/2011		<0.0004	<0.003	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01
MW-7	07/05/2011		<0.0004	<0.003	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01
MW-7	10/17/2011		<0.0004	<0.003	<0.04	<0.0001	<0.01	<0.0001	<0.0002	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01

Heap Leach Water Quality Data

FAIRBANKS GOLD MINING, INC.
FORT KNOX MINE

ATTACHMENT B

Heap Leach Compliance Monitoring

Data Report

Non-Process Ground Water - Major Ion Chemistry

Site	Date	Reason If No Sample	Bic Alk	Tot Alk	Ca	Cl	GW Elev.	Ca	Mg Hard	Mg Lab	K	Si	Na	Lab Cond.	SO4	S	Temp. (C)	TDS	TSS	
HL-1	07/11/2011		42	43	16	1	1,470.155	42	16	8.6	8.4	1.2	1.2	5.5	166	28	<0.02	6.2	90	12
HL-1	10/26/2011		117	119	46.4	<1		117	26	6.2	8.3	1.5	8	4.7	298	21	<0.02	4.7	190	<5

Non-Process Ground Water - Minor Ion Chemistry

Site	Date	Reason If No Sample	NH4	As	CN	F	Fe	Mn	NO3	P	TPH	WAD CN
OL-296	11/10/2010		<0.05	<0.0005	<0.003	0.1	2.2	0.107	0.06	<0.01	<0.01	<0.003
OL-296	01/31/2011		<0.05	<0.0005	<0.003	0.1	0.94	0.114	0.06	<0.01	<0.01	<0.003
OL-296	05/17/2011		<0.05	<0.0005	<0.003	0.2	2.72	0.145	<0.02	<0.01	<0.01	<0.003
OL-296	07/18/2011	Dup	<0.05	<0.0005	<0.003	0.1	2.55	0.133	0.03	<0.01	<0.01	<0.003
OL-296	07/18/2011		<0.05	<0.0005	<0.003	0.1	2.46	0.136	0.03	<0.01	0.01	<0.003
OL-296	11/02/2011		<0.05	<0.0005	<0.003	0.1	2.17	0.116	0.04	<0.01	<0.01	<0.003
HL-3	10/05/2010		<0.05	<0.0005	<0.003	<0.1	0.25	0.04	2.82	<0.01	0.06	<0.003
HL-3	10/12/2010				<0.003							<0.003
HL-3	10/20/2010				<0.003							<0.003
HL-3	10/29/2010				<0.003							<0.003
HL-3	11/04/2010				<0.003							<0.003
HL-3	11/11/2010				<0.003							<0.003
HL-3	11/16/2010				<0.003							<0.003
HL-3	11/26/2010				<0.003							<0.003
HL-3	11/29/2010		<0.05	0.0012	<0.003	<0.1	0.05	0.071	0.88	<0.01	<0.01	<0.003
HL-3	12/13/2010				<0.003							0.03
HL-3	12/15/2010				0.181							<0.003
HL-3	12/21/2010				<0.003							<0.003
HL-3	12/27/2010		<0.05	0.0011	<0.003	0.2	<0.02	<0.005	0.61	<0.01	<0.01	<0.003
HL-3	01/06/2011				<0.003							<0.003
HL-3	01/12/2011		<0.05	0.0015	<0.003	0.2	<0.02	<0.005	0.96	<0.01	0.01	<0.003
HL-3	01/19/2011				<0.003							<0.003
HL-3	01/27/2011				<0.003							<0.003
HL-3	02/01/2011				<0.003							<0.003
HL-3	02/10/2011				<0.003							<0.003
HL-3	02/14/2011		<0.05	0.0017	<0.003	0.2	0.99	0.012	0.83	0.01	0.03	<0.003
HL-3	02/23/2011				<0.003							<0.003
HL-3	03/03/2011				<0.003							<0.003
HL-3	04/13/2011		<0.05	0.0002	<0.003	<0.1	0.04	<0.005	0.71	<0.01	0.02	<0.003
HL-3	07/11/2011		<0.05	0.0005	<0.003	0.1	0.17	<0.005	0.51	<0.01	0.02	<0.003
HL-3	10/26/2011		<0.05	<0.0005	<0.003	0.1	<0.02	<0.005	14.1	<0.01	<0.01	<0.003
HL-2	10/05/2010		<0.05	<0.0005	<0.003	0.1	<0.02	0.141	5.08	<0.01	0.01	<0.003
HL-2	10/12/2010				<0.003							<0.003
HL-2	10/20/2010				<0.003							

Non-Process Ground Water - Minor Ion Chemistry

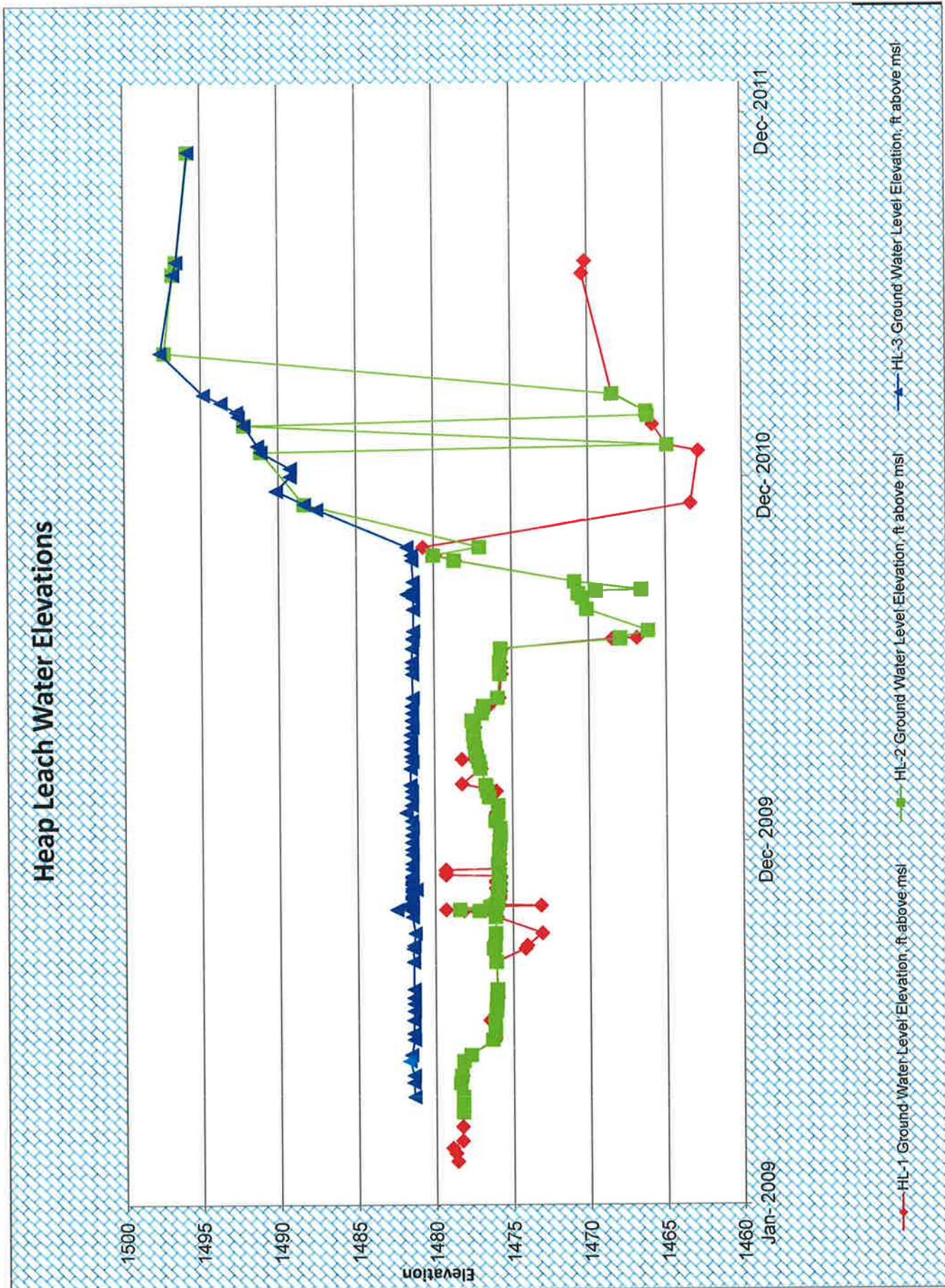
Site	Date	Reason If No Sample	NH4	As	CN	F	Fe	Mn	NO3	NO2	P	TPH	WAD CN
HL-2	04/13/2011		<0.05	0.0033	<0.003	0.1	<0.02	0.038	2.66	<0.01	0.01		<0.003
HL-2	07/11/2011		<0.05	0.0011	<0.003	0.1	<0.02	<0.005	1.02	<0.01	0.02		<0.003
HL-2	10/26/2011		<0.05	0.0006	<0.003	0.1	<0.02	<0.005	0.94	<0.01	<0.01		<0.003
HL-2	01/06/2011	Unsafe Access											
HL-2	01/12/2011	Unsafe Access											
HL-2	02/01/2011	Unsafe Access											
HL-2	02/10/2011	Unsafe Access											
HL-2	02/14/2011	Unsafe Access											
HL-2	02/23/2011	Unsafe Access											
HL-2	03/03/2011	Unsafe Access											
HL-1	10/05/2010		<0.05	<0.0005	<0.003	0.1	2.07	0.119	3.89	0.03	<0.01		<0.003
HL-1	10/12/2010				<0.003								<0.003
HL-1	10/20/2010				<0.003								<0.003
HL-1	12/21/2010				<0.003								<0.003
HL-1	12/27/2010		<0.05	<0.0005	<0.003	0.2	<0.02	0.032	21.6	0.02	0.01		<0.003
HL-1	01/06/2011				<0.003								<0.003
HL-1	01/12/2011		0.54	<0.0005	<0.003	0.2	0.12	0.054	1.32	0.35	<0.01		<0.003
HL-1	01/19/2011				<0.003								<0.003
HL-1	01/27/2011				<0.003								<0.003
HL-1	02/01/2011				<0.003								<0.003
HL-1	02/10/2011				<0.003								<0.003
HL-1	02/14/2011		0.19	<0.0005	<0.003	0.2	0.36	0.041	22.3	0.07	<0.01		<0.003
HL-1	03/03/2011				<0.003								<0.003
HL-1	04/13/2011		<0.05	0.0026	<0.003	0.2	<0.02	<0.005	11.7	0.02	<0.01		<0.003
HL-1	07/11/2011		2.17	<0.0005	0.007	0.2	<0.02	0.014	0.9	0.31	<0.01		<0.003
HL-1	10/26/2011		<0.05	0.0014	<0.003	0.2	0.02	<0.005	2.78	<0.01	<0.01		<0.003

Process Ground Water - Major Ion Chemistry

Site	Date	Reason if No Sample		Bic	Tot Alk	Ca	Cl	Ca Hard	Mg Hard	Mg Lab	K pH	K	Si	Na	Lab Cond.	SO4	S	Temp. (C)	TDS	TSS	Tur
Pregnant Solution	12/28/2010	<2		250	174	170	458	1	<0.2	20	6.2	5.7	81	1,300	.56	0.02	620	<5	0.2		
Pregnant Solution	01/31/2011	<2		218	171	150	418		<0.2	10.8	5.2	5.3	72.5	1,220	50	0.04	780	<5	<0.1		
Pregnant Solution	04/06/2011	<2		199	149	140	410	1	<0.2	10.8	5	5.4	76.8	1,200	60	0.04	790	<5	0.4		

Process Ground Water - Trace Ion Chemistry

Site	Date	Reason if No Sample	Al	Sb	Ba	Bi	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Zn
Pregnant Solution	12/28/2010		0.0031	0.016	<0.04	0.0091	<0.01	0.19	<0.0001	0.0073	0.02	0.0179	0.02	1.39	
Pregnant Solution	01/31/2011		0.0034	0.067	<0.04	0.0096	<0.01	0.2	<0.0001	0.0065	0.03	0.0159	0.03	1.38	
Pregnant Solution	04/06/2011		0.0037	0.032	<0.04	0.0087	<0.01	0.2	<0.0001	0.0055	0.03	0.0085	<0.01	1.38	



LCRS Flow Rate

		LCRS (Under the Liner Piezos)							
Year	Month	PIEZO 1	PIEZO 2	PIEZO 3	PIEZO 4	PIEZO 5	PIEZO 6	PIEZO 7	PIEZO 8
		Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation
2011	10	1541.2	1541.2	1548.3	1548.3	1575.5	1576.5	1585.8	1585.8
Feet of Solution									
Monthly Avg.	-0.01	0.00	1.72	0.00	0.00	86.21	0.00	0.18	
Monthly Avg. Min	-0.04	-0.02	0.00	-0.03	0.00	2.19	-0.02	-0.01	
Monthly Avg. Max	0.00	0.01	2.56	0.04	0.00	120.50	0.01	13.99	
Pond (Above the Liner Piezos)									
PIEZO 9	PIEZO 10	PIEZO 11	PIEZO 12	PIEZO 13	PIEZO 14	PIEZO 15	PIEZO 16	POND SOLUTION LEVEL	
Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation		
1554.1	1554.1	1567.2	1567.2	1594.5	1594.5	1659.3	1658.9		
Feet of Solution									
Monthly Avg.	62.31	63.37	48.46	48.47	22.07	21.40	0.00	-0.01	1617.60
Monthly Avg. Min	62.00	63.00	48.08	48.14	21.72	20.93	-0.06	-0.06	1617.36
Monthly Avg. Max	62.56	63.57	48.67	48.70	22.27	21.74	0.06	0.04	1617.83
LCRS Gallons					Total Monthly Values				
	Date & Time	Gallons	Leakage GPM			Gallons	771.6		
Start		0.0			Leakage GPM		0.0192		
Finish	9/28/2011 11:09	0.0							
Total	0	0.0	0.000						
	Date & Time	Gallons							
Start	10/5/2011 9:04	1288.4							
Finish	10/5/2011 10:29	1401.3							
Total	27-PP-207	112.9	0.011						
	Date & Time	Gallons							
Start	10/12/2011 9:03	6142.5							
Finish	10/12/2011 9:59	6391.2							
Total	27-PP-208	248.7	0.025						
	Date & Time	Gallons							
Start	10/19/2011 9:03	1402.8							
Finish	10/19/2011 11:19	1467.2							
Total	27-PP-207	64.4	0.006						
	Date & Time	Gallons							
Start	10/26/2011 9:01	6392.8							
Finish	10/26/2011 9:53	6738.4							
Total	27-PP-208	345.6	0.035						
	Date & Time	Gallons							
Start									
Finish									
Total	0								

Year	LCRS (Under the Liner Piezos)								
2011	PIEZO 1	PIEZO 2	PIEZO 3	PIEZO 4	PIEZO 5	PIEZO 6	PIEZO 7	PIEZO 8	
Month	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	
11	1541.2	1541.2	1548.3	1548.3	1575.5	1576.5	1585.8	1585.8	
Feet of Solution									
Monthly Avg.	-0.01	55.47	1.71	-0.01	0.04	85.51	0.00	0.58	
Monthly Avg. Min	-0.09	0.42	0.00	-0.04	-0.02	1.93	-0.02	-0.02	
Monthly Avg. Max	0.00	155.65	2.80	0.01	5.54	120.52	0.00	29.23	
Pond (Above the Liner Piezos)									
PIEZO 9	PIEZO 10	PIEZO 11	PIEZO 12	PIEZO 13	PIEZO 14	PIEZO 15	PIEZO 16	POND SOLUTION LEVEL	
Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation		
1554.1	1554.1	1567.2	1567.2	1594.5	1594.5	1659.3	1658.9		
Feet of Solution									
Monthly Avg.	69.15	70.18	55.24	55.01	28.69	27.88	-0.09	-0.16	1610.04
Monthly Avg. Min	68.79	68.02	53.58	53.39	27.95	27.18	-0.13	-0.21	1607.29
Monthly Avg. Max	69.45	70.48	55.51	55.33	29.01	28.18	0.61	0.54	1612.60
LCRS Gallons				Total Monthly Values					
	Date & Time	Gallons	Leakage GPM	Gallons	572.5				
Start		0.0		Leakage GPM	0.0114				
Finish	10/26/2011 9:53	0.0							
Total	0	0.0	0.000						
	Date & Time	Gallons							
Start	11/2/2011 10:35	1467.0							
Finish	11/2/2011 11:51	1490.2							
Total	27-PP-207	23.2	0.002						
	Date & Time	Gallons							
Start	11/2/2011 9:25	6739.5							
Finish	11/2/2011 11:52	6964.3							
Total	27-PP-208	224.8	0.022						
	Date & Time	Gallons							
Start	11/9/2011 9:03	6965.4							
Finish	11/9/2011 10:41	7112.0							
Total	27-PP-208	146.6	0.015						
	Date & Time	Gallons							
Start	11/16/2011 13:41	7113.2							
Finish	11/16/2011 19:53	7144.9							
Total	27-PP-208	31.7	0.003						
	Date & Time	Gallons							
Start	11/23/2011 8:58	7146.4							
Finish	11/23/2011 11:40	7222.5							
Total	27-PP-208	76.2	0.008						
	Date & Time	Gallons							
Start	11/30/2011 8:59	7223.9							
Finish	11/30/2011 9:57	7293.9							
Total	27-PP-208	70.0	0.007						

Year		LCRS (Under the Liner Piezos)								
2011	Month	PIEZO 1	PIEZO 2	PIEZO 3	PIEZO 4	PIEZO 5	PIEZO 6	PIEZO 7	PIEZO 8	
	12	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	
1541.2 1541.2 1548.3 1548.3 1575.5 1576.5 1585.8 1585.8										
Feet of Solution										
Monthly Avg.		-0.02	0.40	1.66	0.00	0.02	85.86	0.00	2.05	
Monthly Avg. Min		-0.10	-0.03	0.00	-0.03	-0.04	2.00	-0.03	-0.06	
Monthly Avg. Max		0.00	33.46	2.62	0.00	2.92	120.39	0.00	70.71	
Pond (Above the Liner Piezos)										
PIEZO 9	PIEZO 10	PIEZO 11	PIEZO 12	PIEZO 13	PIEZO 14	PIEZO 15	PIEZO 16	POND SOLUTION LEVEL		
Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation	Installed Elevation			
1554.1	1554.1	1567.2	1567.2	1594.5	1594.5	1659.3	1658.9			
Feet of Solution										
Monthly Avg.		61.91	63.00	47.94	47.62	21.40	20.52	-0.07	0.08	1615.72
Monthly Avg. Min		61.61	62.85	47.73	47.40	21.16	20.22	-0.12	0.02	1615.38
Monthly Avg. Max		62.09	63.22	48.11	47.82	21.53	20.80	-0.02	0.78	1616.06
LCRS Gallons					Total Monthly Values					
	Date & Time	Gallons	Leakage GPM		Gallons	658.8				
Start		0.0			Leakage GPM	0.0163				
Finish	11/30/2011 9:57	0.0								
Total	0	0.0	0.000							
	Date & Time	Gallons								
Start	12/7/2011 8:31	7295.0								
Finish	12/7/2011 9:30	7420.0								
Total	27-PP-208	125.0	0.012							
	Date & Time	Gallons								
Start	12/14/2011 12:25	7420.0								
Finish	12/14/2011 13:44	7583.1								
Total	27-PP-208	163.1	0.008							
	Date & Time	Gallons								
Start	12/22/2011 8:13	7584.1								
Finish	12/22/2011 9:22	7724.6								
Total	27-PP-208	140.6	0.012							
	Date & Time	Gallons								
Start	12/28/2011 8:30	7724.6								
Finish	12/28/2011 9:40	7954.8								
Total	27-PP-208	230.2	0.027							
	Date & Time	Gallons								
Start	0	0.0								
Finish	0	0.0								
Total	27-PP-208	0.0	0.000							

METEORIC WATER MOBILITY DATA

FAIRBANKS GOLD MINING, INC.
FORT KNOX MINE

Meteoric Water Mobility - Major Ion Chemistry

Site	Date	Reason If No Sample	Bic Alk	Tot Alk	Ca	Cl	Ca Hard	Mg Hard	Mg Lab	K Lab pH	Na	Lab Cond.	SO4	TDS	TSS
Yearly A-Ore	11/10/2010				14.3			0.7	3.6	15.4					
Yearly A-Ore	10/26/2011				9.7			2.8	9.3		20.6				
Topsoil Sample	11/10/2010				26.8			7.6	2.7		5.9				
Topsoil Sample	10/26/2011				2.5			<0.2	4.8		10.2				
Tailing Solids	11/10/2010				2.9			<0.2	5.3		119				
Tailing Solids	01/28/2011				3.5			0.3	6.2		84.2				
Tailing Solids	06/02/2011				4.6			<0.2	6.9		74.2				
Tailing Solids	07/18/2011				4.1			0.2	5.7		88.3				
Tailing Solids	10/26/2011				9.7			1.2	5.5		65.4				
Low Grade Stockpile	11/10/2010				31.3			2.9	11.5		153				
Low Grade Stockpile	10/26/2011										17.6				

Meteoric Water Mobility - Minor Ion Chemistry

Site	Date	Reason If No Sample	NH4	As	CN	F	Fe	Mn	NO3	NO2	P	TPH	WAD CN
Yearly A-Ore	11/10/2010			0.017				0.04	<0.005				
Yearly A-Ore	10/26/2011			0.0359				0.15	<0.005				
Topsoil Sample	11/10/2010			0.002				0.52	0.948				
Topsoil Sample	10/26/2011			0.0036				1.3	4.11				
Tailing Solids	11/10/2010			0.0658				0.08	<0.005				
Tailing Solids	01/28/2011			0.0577				0.29	0.007				
Tailing Solids	06/02/2011			0.058				0.84	0.029				
Tailing Solids	07/18/2011			0.1557				0.2	<0.005				
Tailing Solids	10/26/2011			0.0926				0.62	0.02				
Low Grade Stockpile	11/10/2010			0.0293				<0.02	<0.005				
Low Grade Stockpile	10/26/2011			0.0148				0.05	0.007				

Meteoric Water Mobility - Trace Ion Chemistry

Site	Date	Reason If No Sample	Al	Sb	Ba	Bi	Ca	Cr	Cu	Pb	Hg	Ni	Se	Ag	Zn
Yearly A-Ore	11/10/2010		0.22	0.005	0.003	<0.04	<0.0001	<0.005	<0.001	<0.0002	<0.006	<0.001	<0.0005	<0.01	
Yearly A-Ore	10/26/2011		0.38	0.053	0.006	<0.04	<0.0001	<0.005	0.005	0.0008	<0.0002	0.0011	0.003	<0.0005	<0.01
Topsoil Sample	11/10/2010		0.73	0.0008	0.109	<0.04	0.0002	0.0029	0.0192	0.0008	<0.0002	0.0058	0.0005	<0.0005	0.01
Topsoil Sample	10/26/2011		2.91	0.0009	0.138	<0.04	0.0004	0.0131	0.034	0.002	<0.0002	0.0184	0.001	<0.0005	0.04
Tailing Solids	11/10/2010		0.49	0.0132	0.003	<0.04	<0.0001	0.0033	0.0026	0.0005	<0.0002	<0.0006	0.0022	<0.0005	<0.01
Tailing Solids	01/28/2011		0.92	0.0133	0.009	<0.04	<0.0001	0.0022	0.0011	0.0012	<0.0002	<0.0006	0.0023	<0.0005	<0.01
Tailing Solids	06/02/2011		1.59	0.014	0.01	<0.04	<0.0005	<0.003	<0.003	0.0162	<0.0002	0.013	<0.0013	<0.0003	<0.01
Tailing Solids	07/18/2011		0.62	0.048	0.009	<0.04	<0.0001	0.0021	0.0066	0.0007	0.0002	0.0007	0.0015	<0.0005	<0.01
Tailing Solids	10/26/2011		1.01	0.024	0.012	0.04	<0.0001	0.0015	0.006	0.0023	<0.0002	0.0011	0.0008	<0.0005	<0.01
Low Grade Stockpile	11/10/2010		0.11	0.0064	0.004	<0.04	<0.0001!	0.0005	0.0007	0.0002	<0.0002	<0.0006	0.0009	<0.0005	<0.01
Low Grade Stockpile	10/26/2011		0.2	0.0178	0.01	0.05	<0.0001	<0.0005	0.004	0.001	<0.0002	0.0006	0.0018	<0.0005	<0.01

ACID ROCK DRAINAGE CHARACTERIZATION DATA

FAIRBANKS GOLD MINING, INC.
FORT KNOX MINE

Static Acid/Base Accounting

Site	Date	Reason If No Sample	Acid Generation Potential AGP (tons/100tons)	Acid Neutralization Potential ANP (tons/100tons)	ANP/AGP
Yearly A-Ore	11/10/2010	<1		37	37
Yearly A-Ore	10/26/2011	3		64	64
Topsoil Sample	11/10/2010	<1		4	4
Topsoil Sample	10/26/2011	<1		0	0
Tailing Solids	11/10/2010	<1		34	34
Tailing Solids	01/28/2011	<1		41	41
Tailing Solids	06/02/2011	<1		53	53
Tailing Solids	07/18/2011	<1		40	40
Tailing Solids	10/26/2011	<1		51	51
Low Grade Stockpile	11/10/2010	<1		47	47
Low Grade Stockpile	10/26/2011	5	30	30	

**UPPER TOLERANCE LIMITS FOR
GROUNDWATER & SURFACE WATER
COMPLIANCE SAMPLING POINTS**

**FAIRBANKS GOLD MINING, INC.
FORT KNOX MINE**

UTLs for Groundwater Monitoring Locations

Parameter	MW-5, MW-6, and MW-8 Upper Tolerance Limit (mg/L)	MW-7 Upper Tolerance Limit (mg/L)
As	0.005	0.002
Cu	0.02	0.02
Cl	17	26
CN WAD	ML	ML
NO ₂	1	1
NO ₃	3.87	13
NH ₄	0.33	0.36
Sb	0.002	0.0155
SO ₄	70	910

Dissolved Concentrations

Note: If the minimum level (ML) for any indicator parameter is greater than the calculated tolerance limit, the ML will be adopted as the tolerance limit

Outlined In the Fort Knox Compliance Monitoring Plan April 11, 2008

UTLs for Surface Water Monitoring Locations

Parameter	Upper and Lower Wetlands Upper Tolerance Limit (mg/L)
As	0.0437
Cu	0.01
Cl	2.5
CN WAD	ML
NO ₂	1
NO ₃	1.4
NH ₄	1.1
Sb	0.005
SO ₄	53

Total Concentrations

Note: If the minimum level (ML) for any indicator parameter is greater than the calculated tolerance limit, the ML will be adopted as the tolerance limit

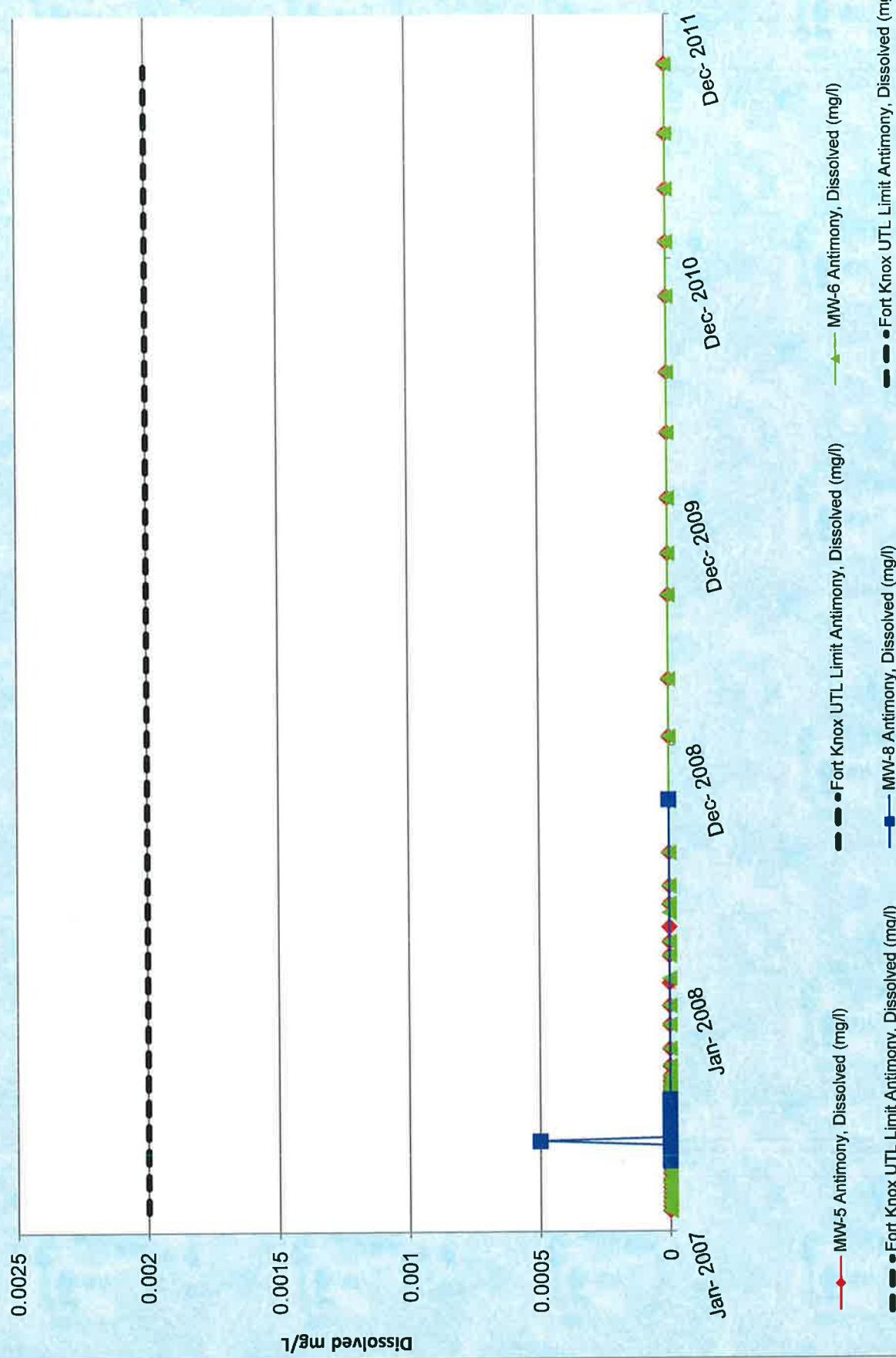
Outlined In the Fort Knox Compliance Monitoring Plan April 11, 2008

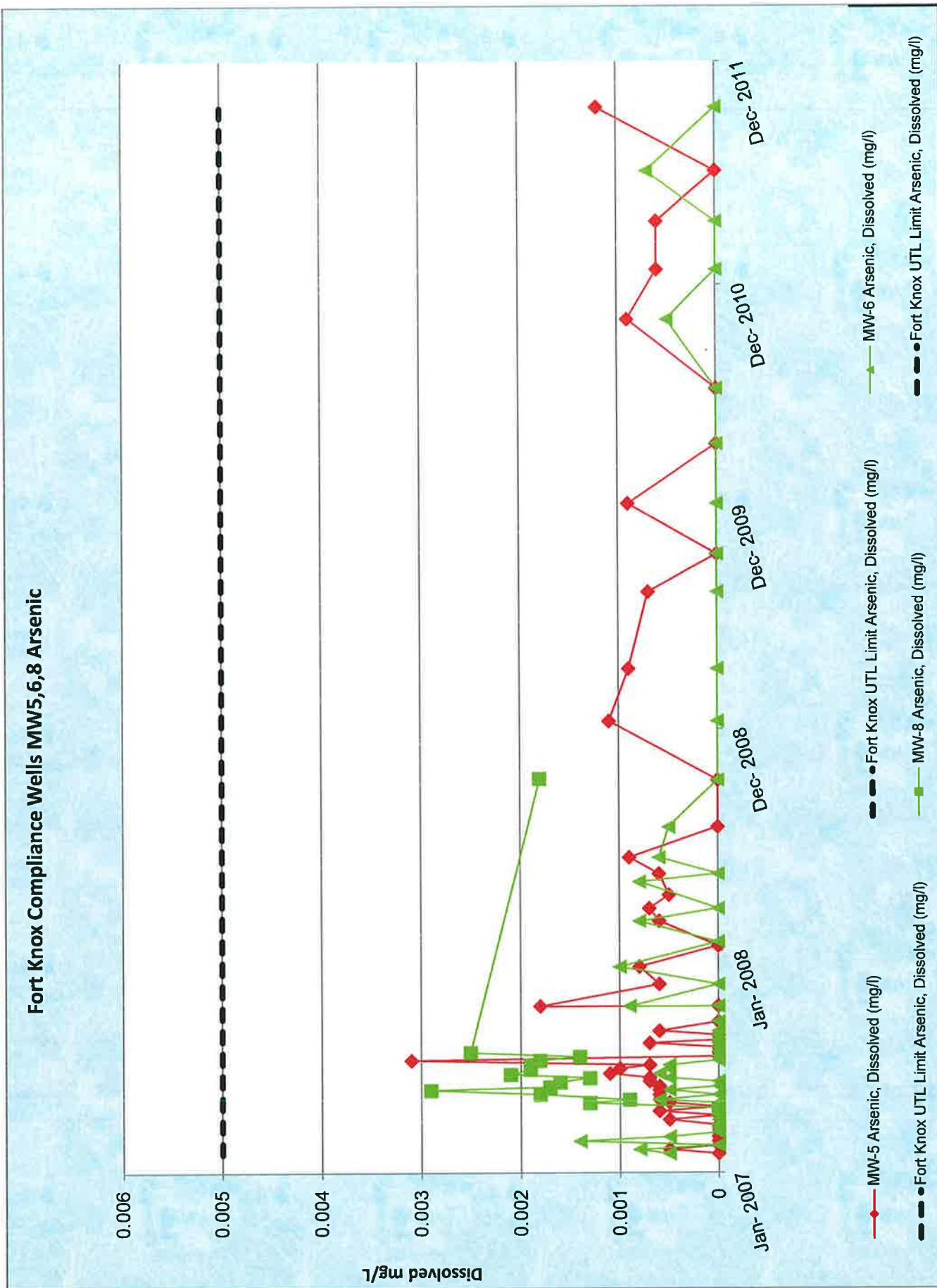
ATTACHMENT C

Compliance Sampling

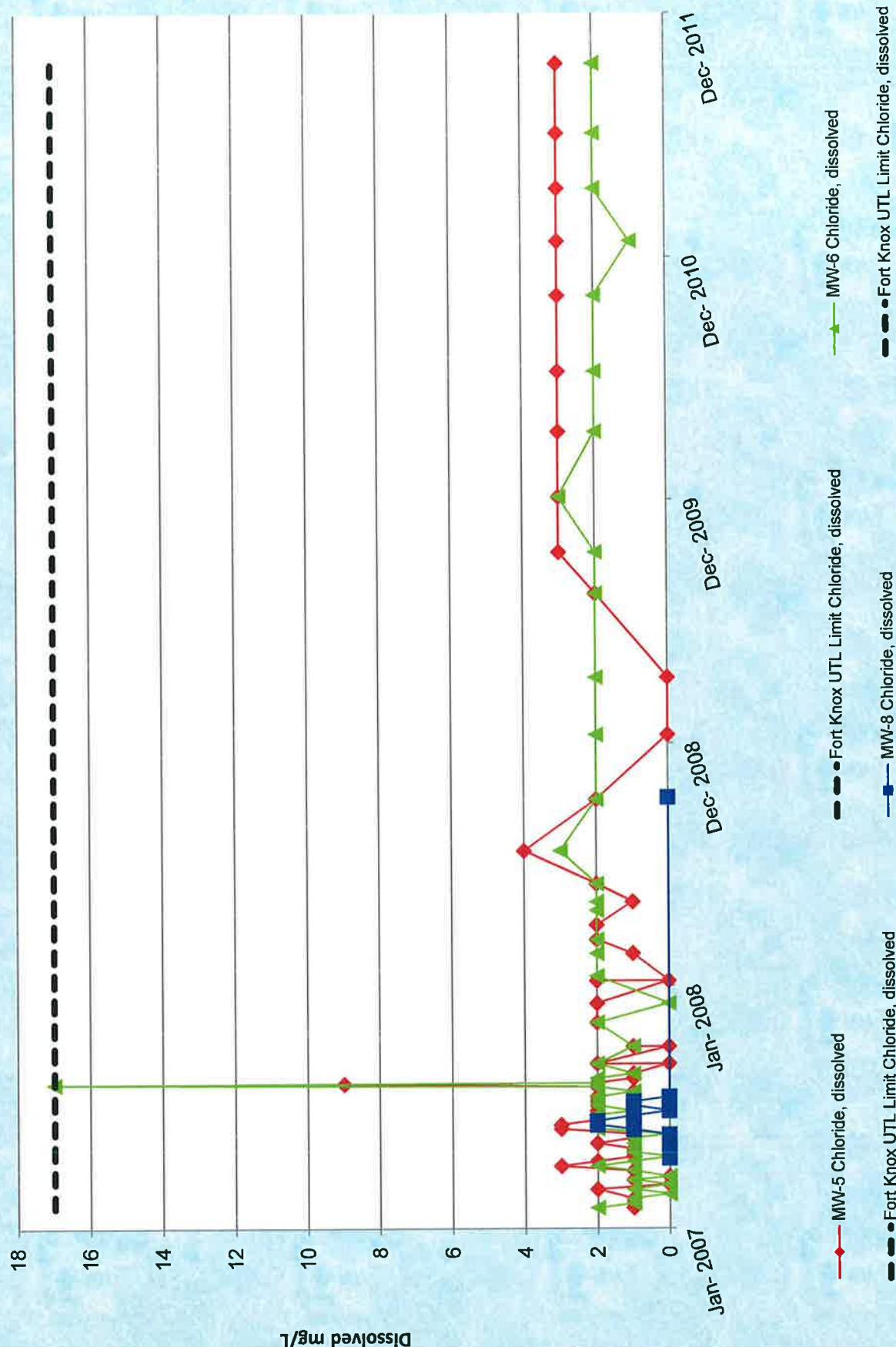
Water Quality Graphs

Fort Knox Compliance MW5.MW6.MW8 Antimony

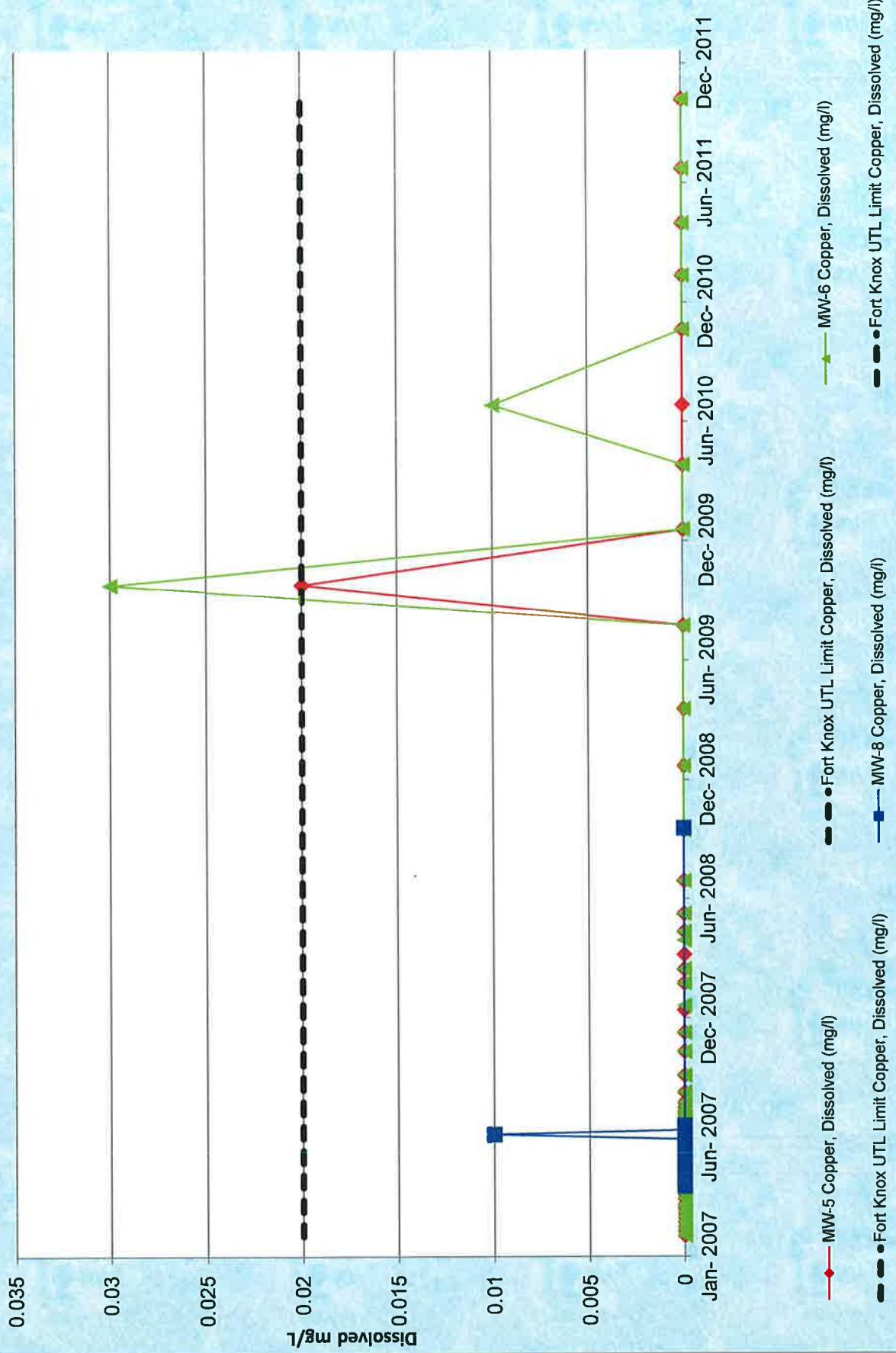




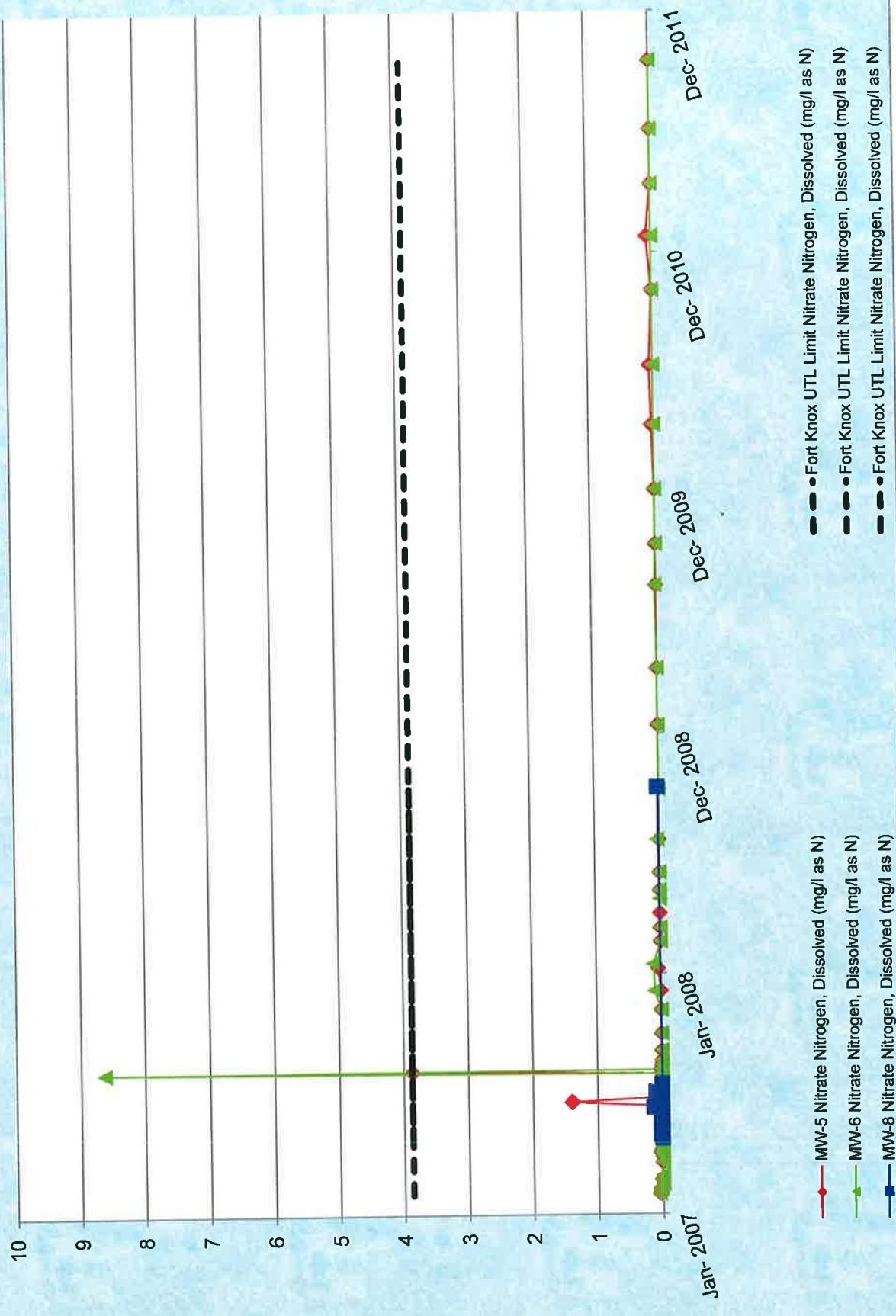
Fort Knox Compliance MW5,MW6,MW8 Chloride



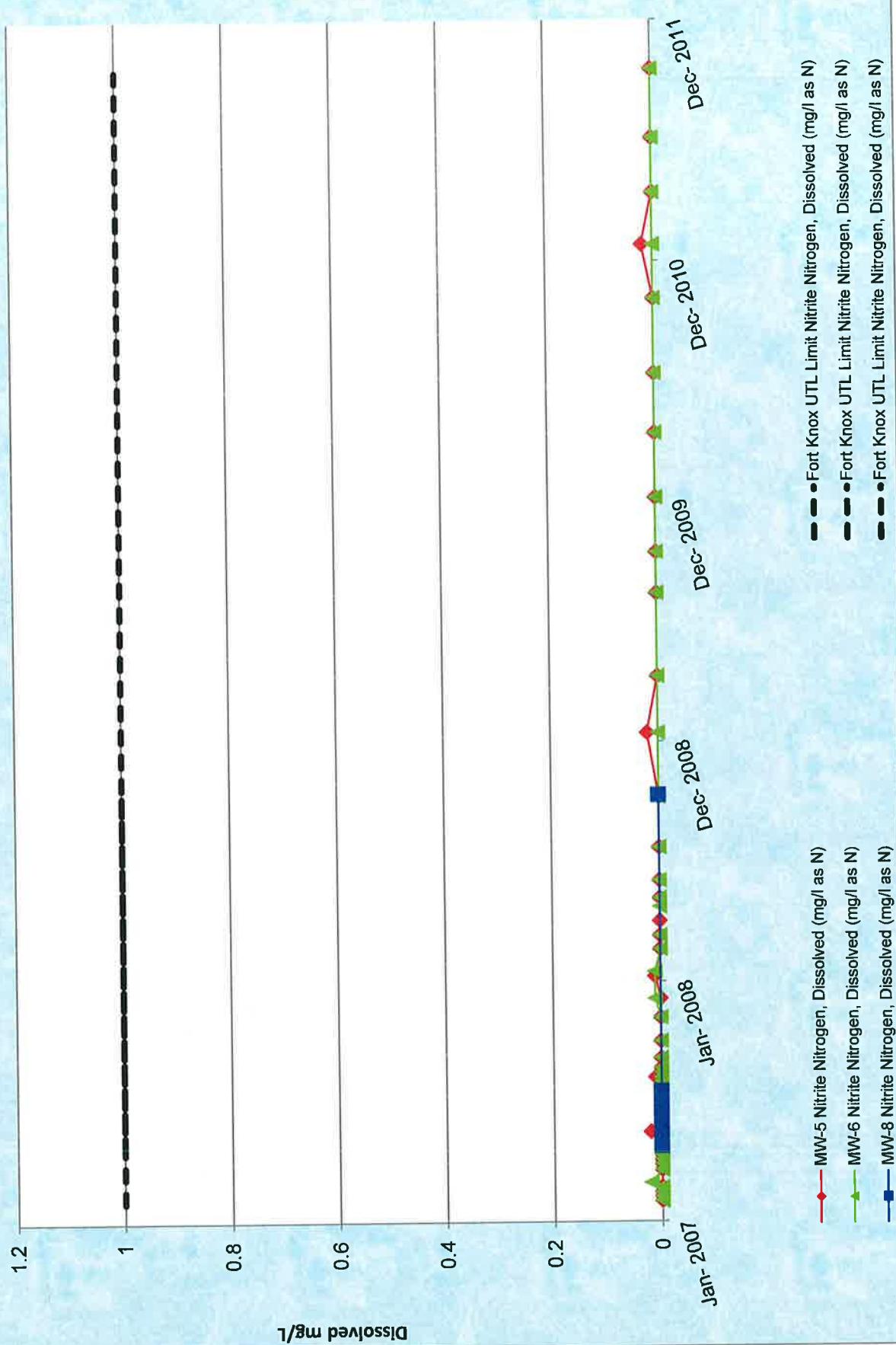
Fort Knox Compliance MW5,6,8 Copper

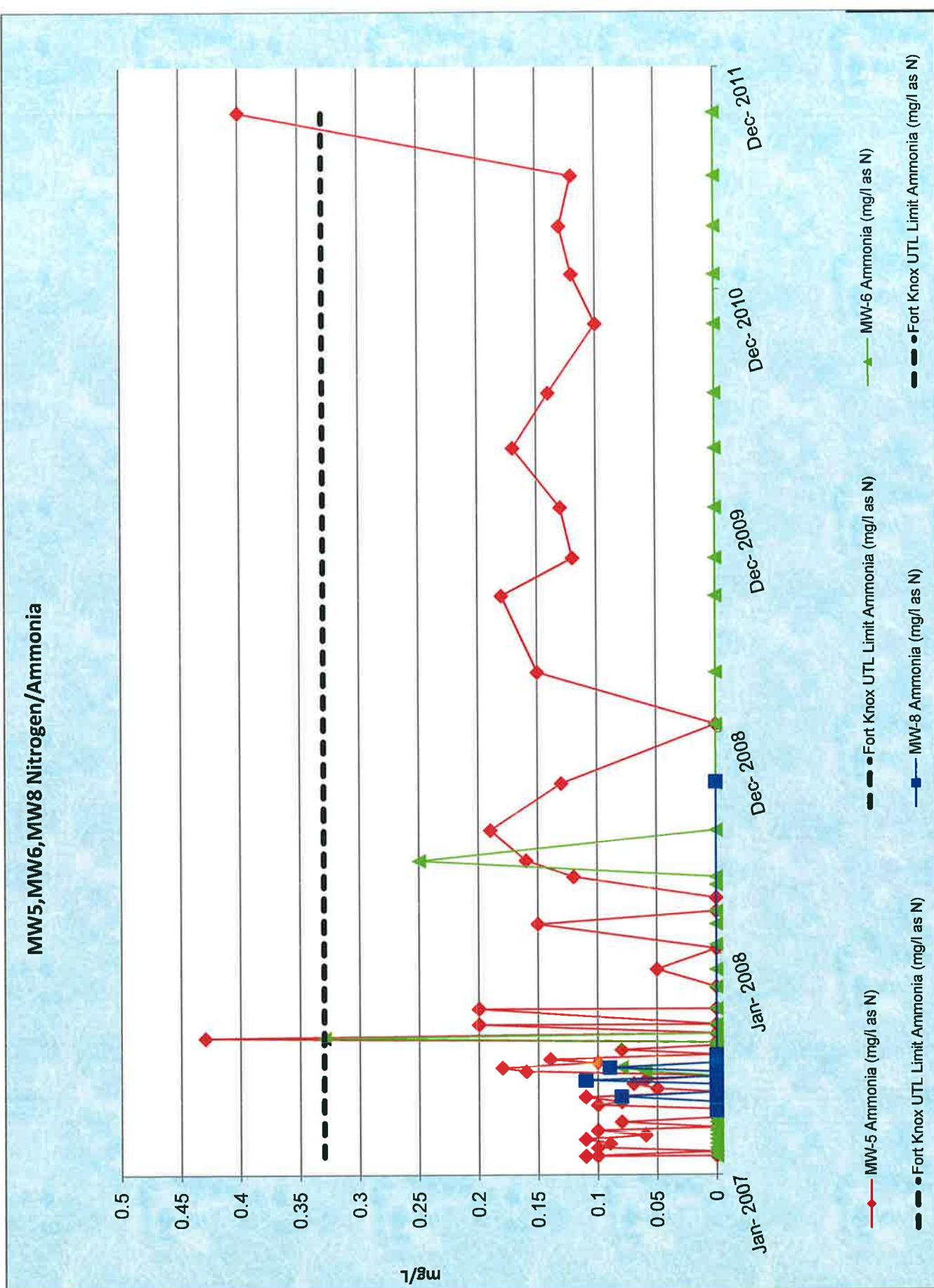


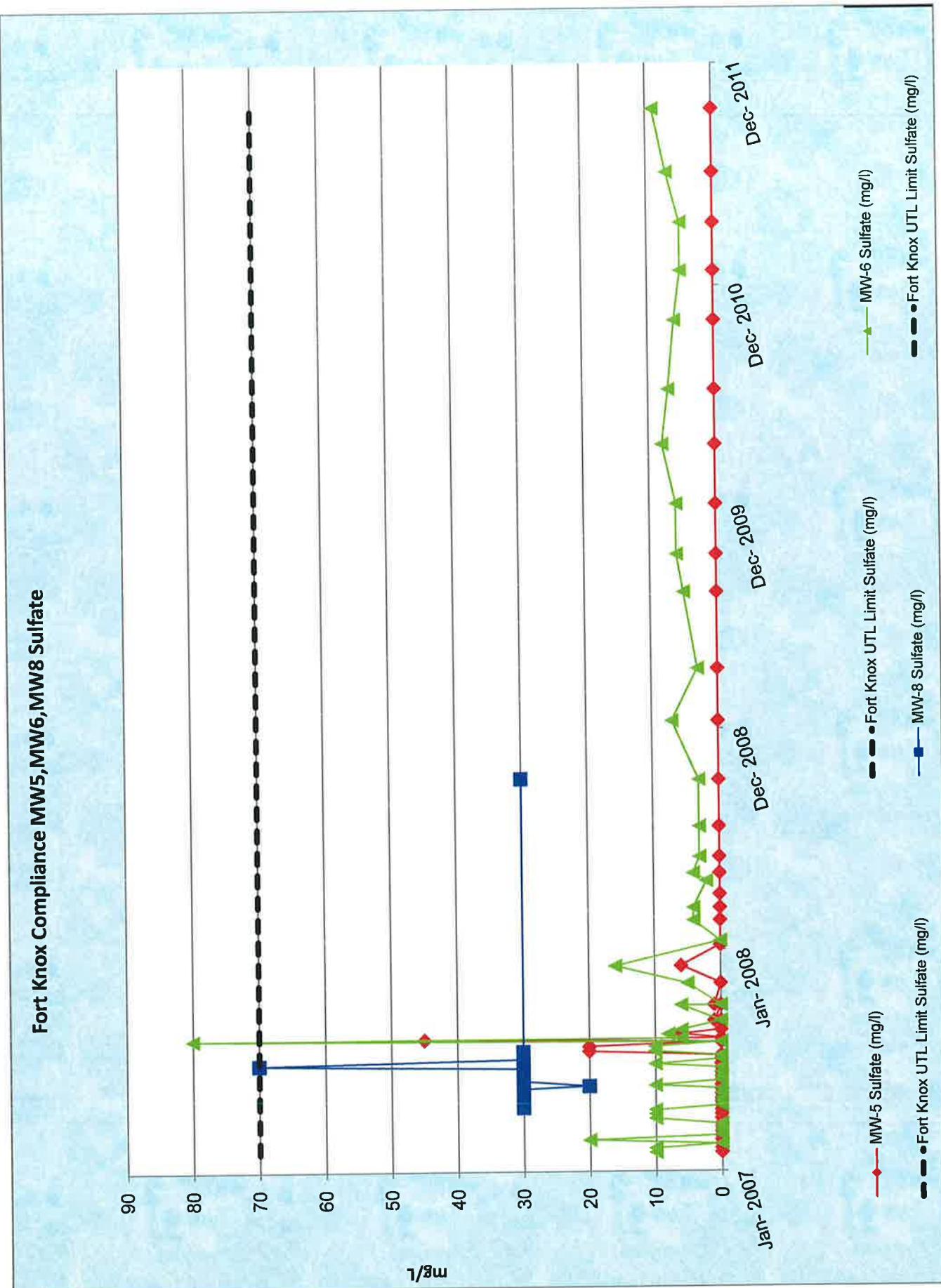
Fort Knox Compliance MW5,MW6,MW8 Nitrate

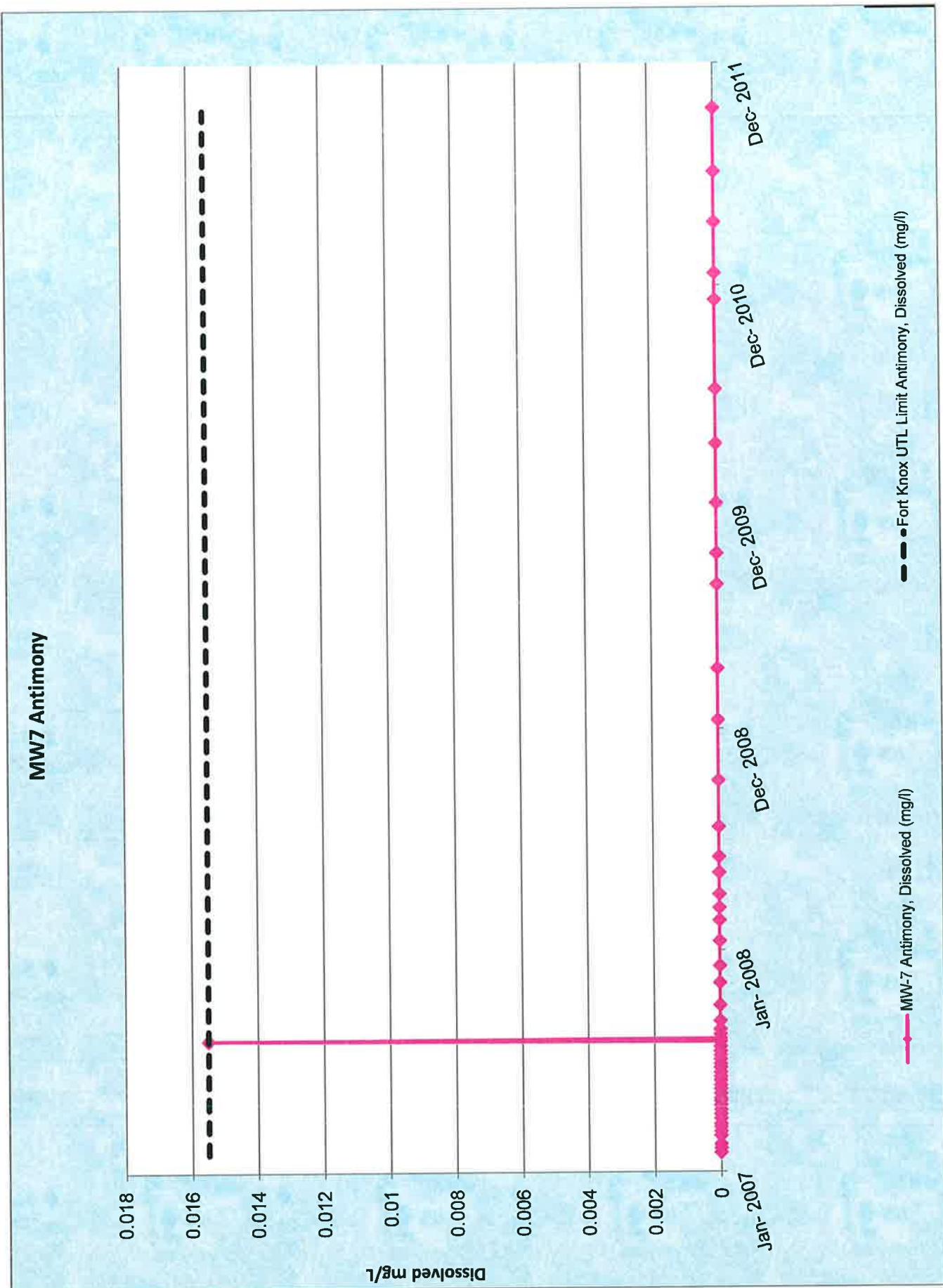


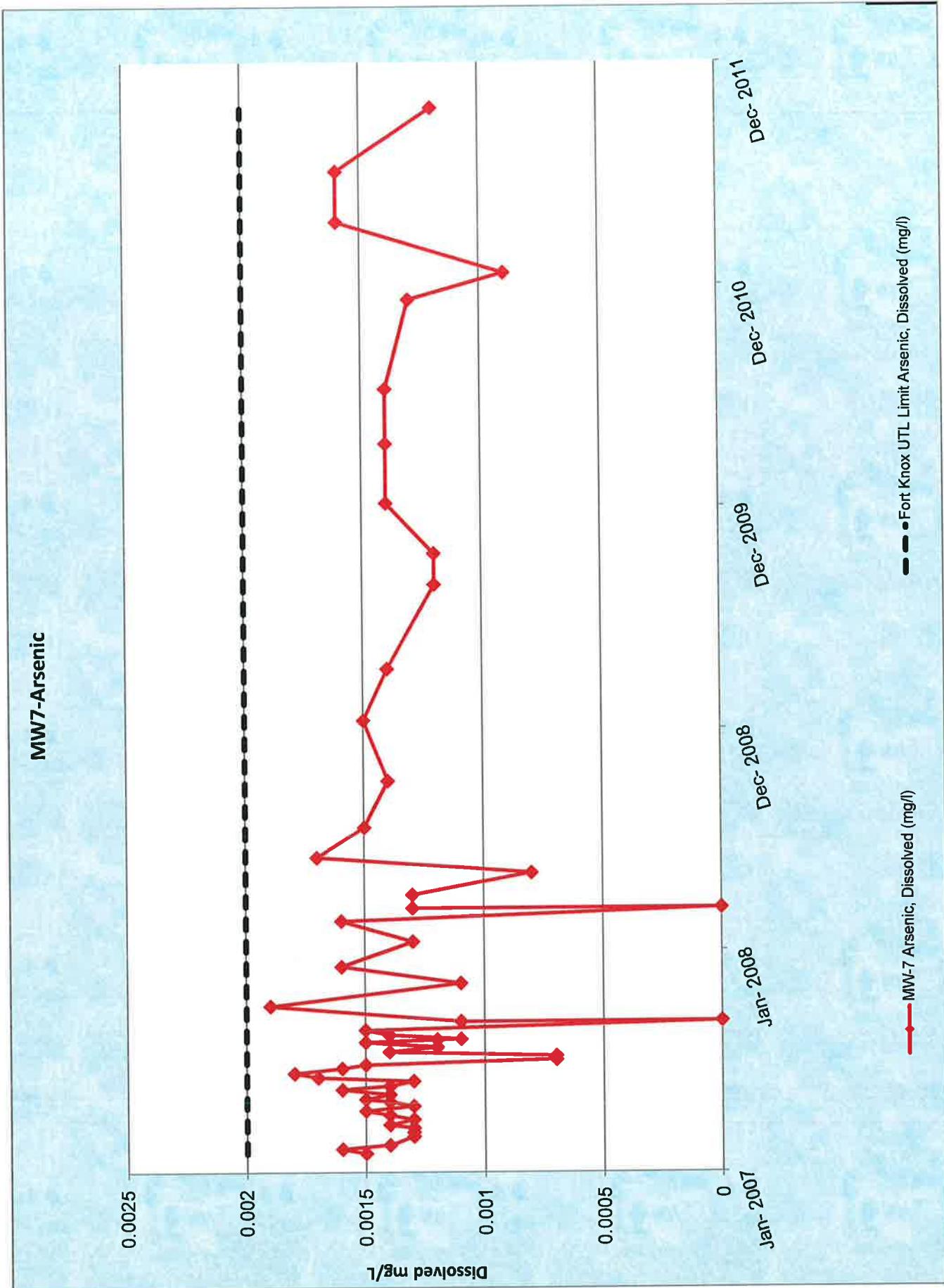
Fort Knox Compliance MW5,MW6,MW8 Nitrite

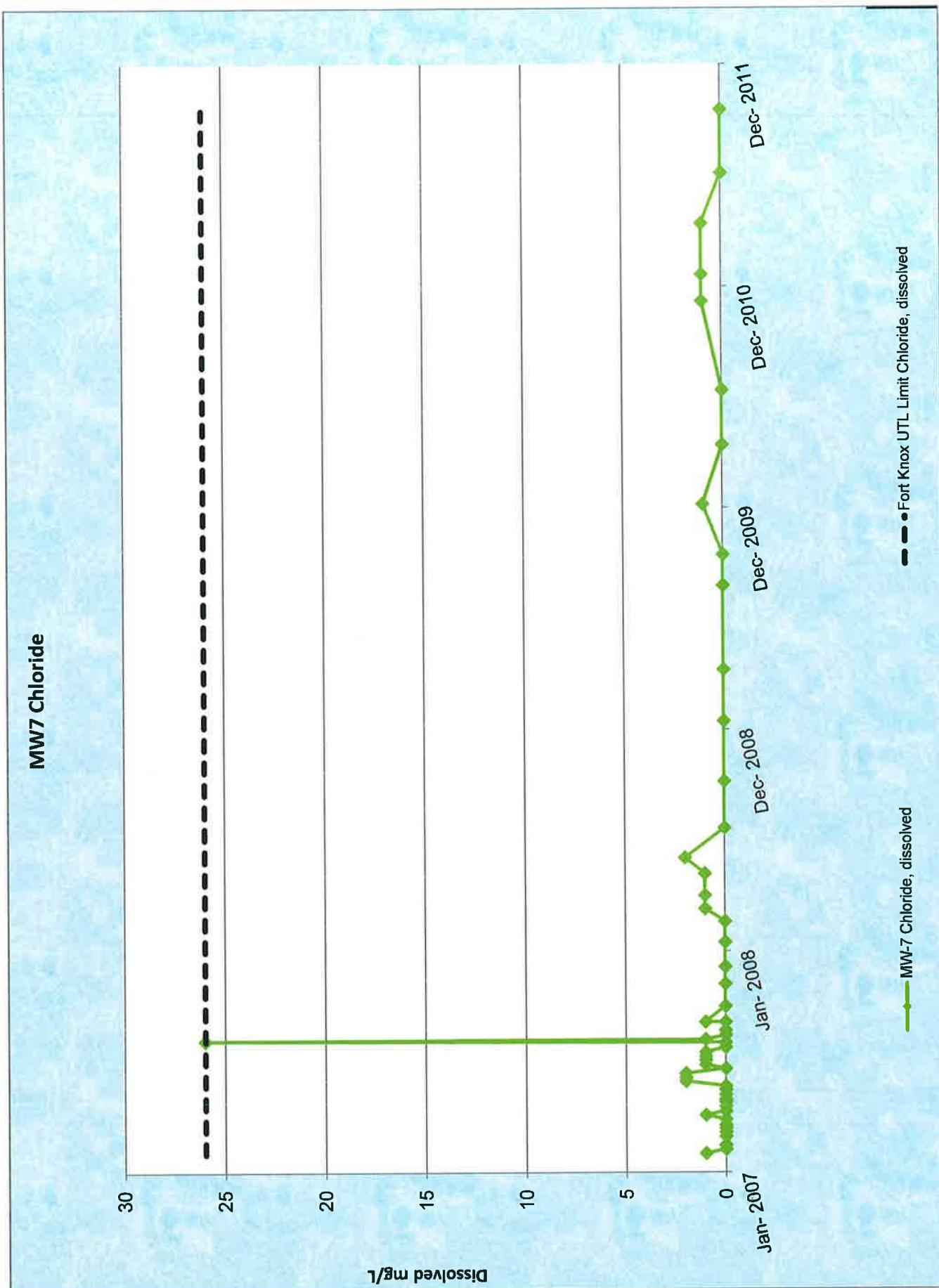




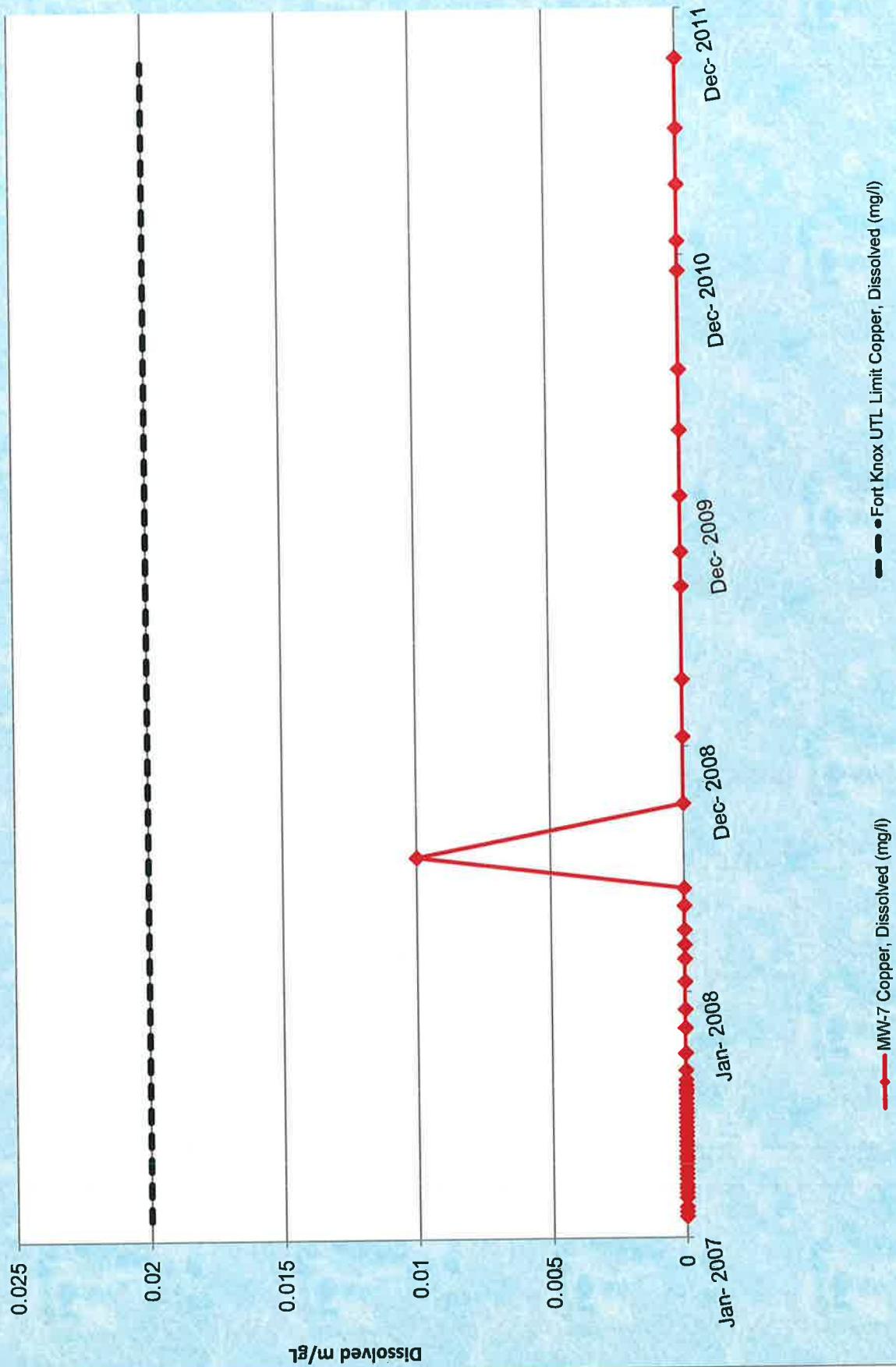


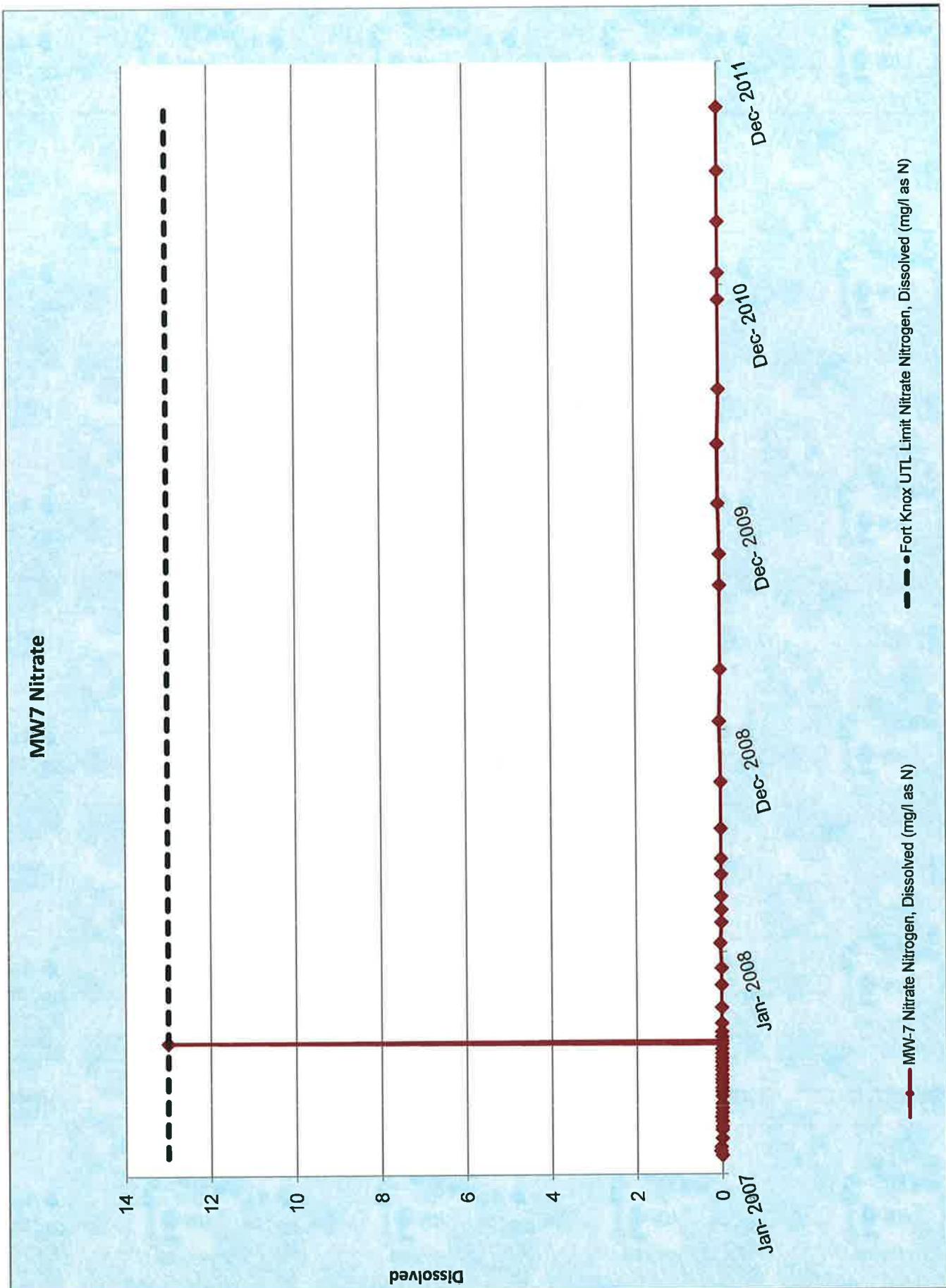


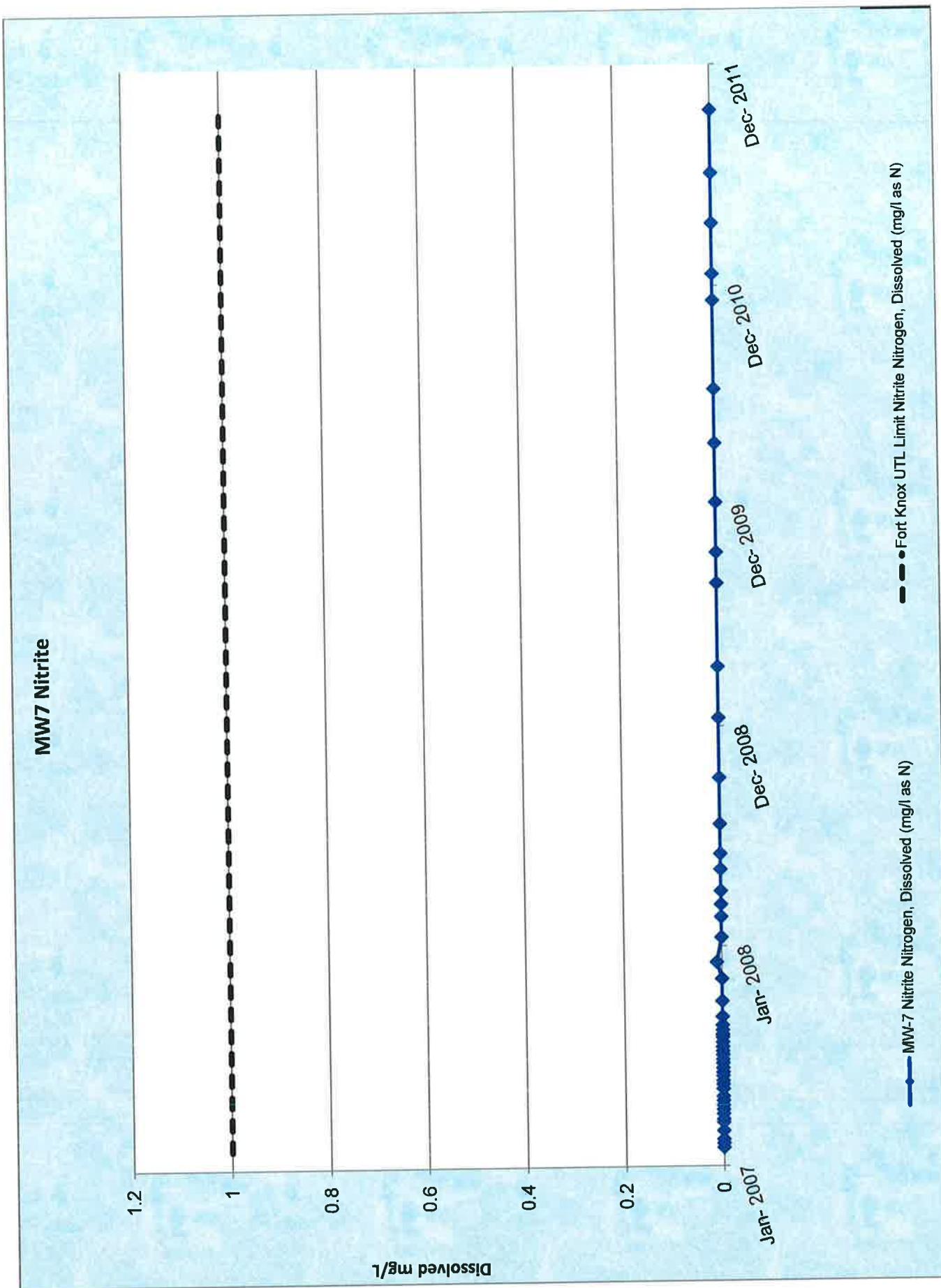




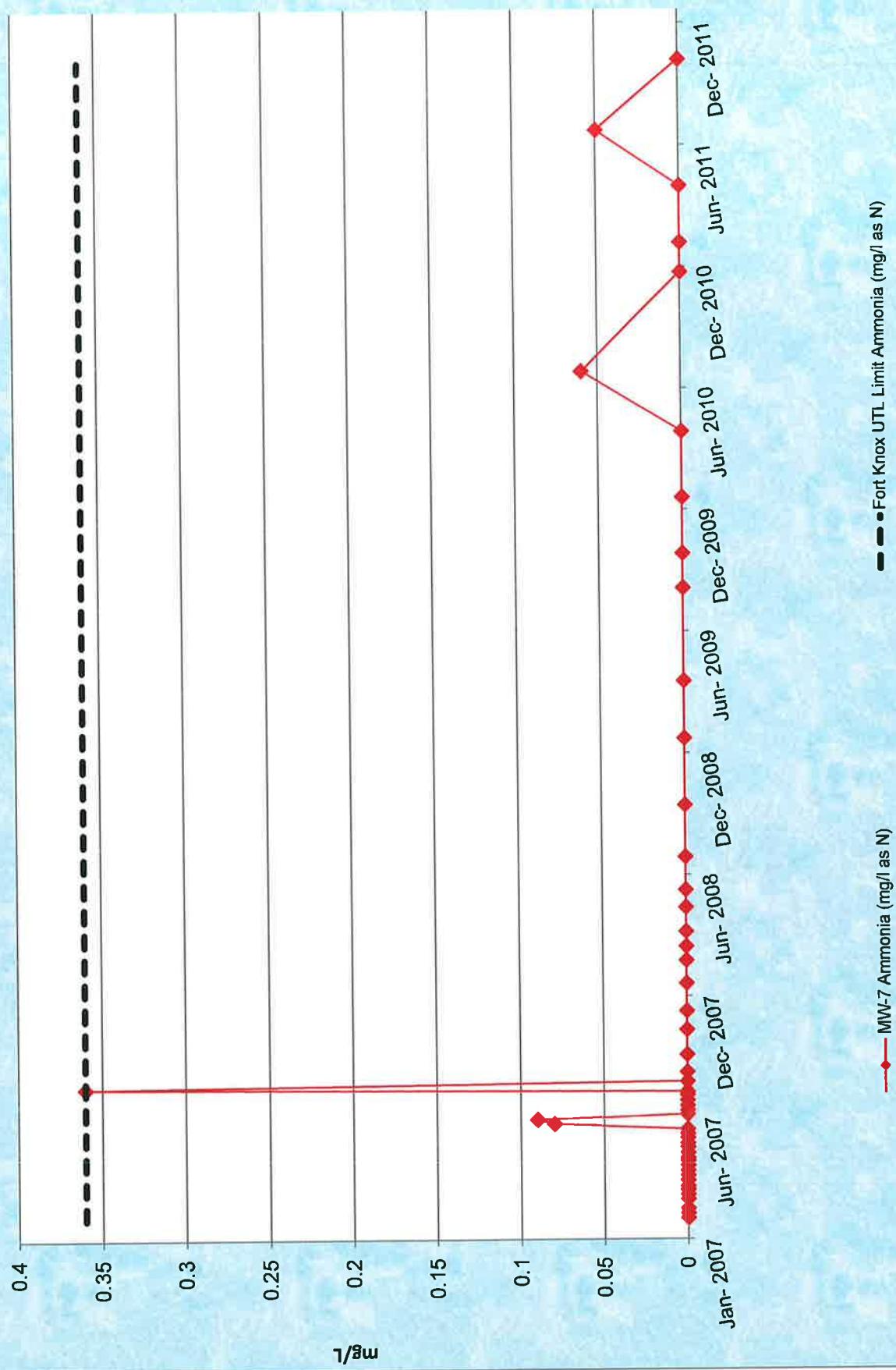
MW7 Copper

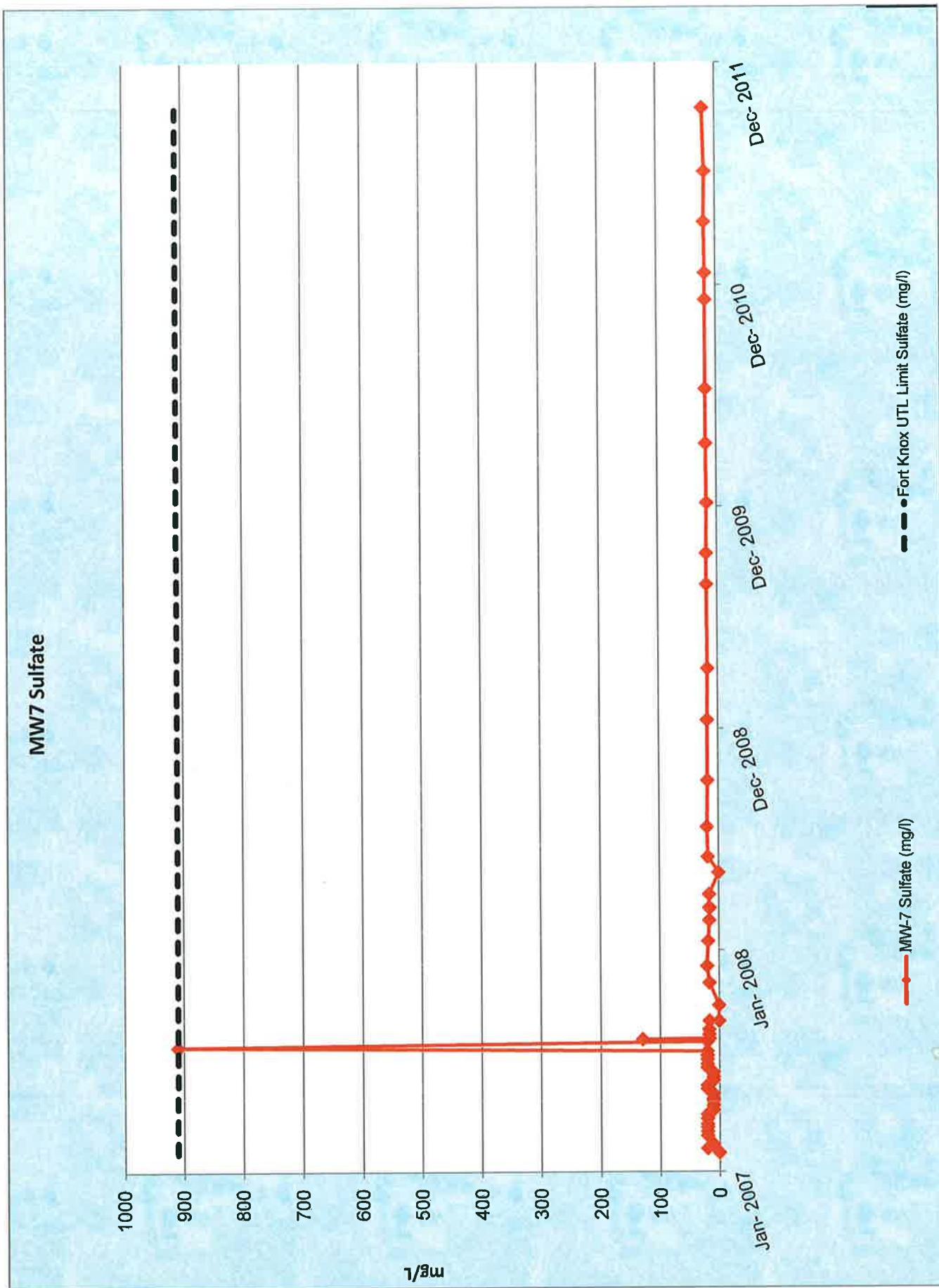




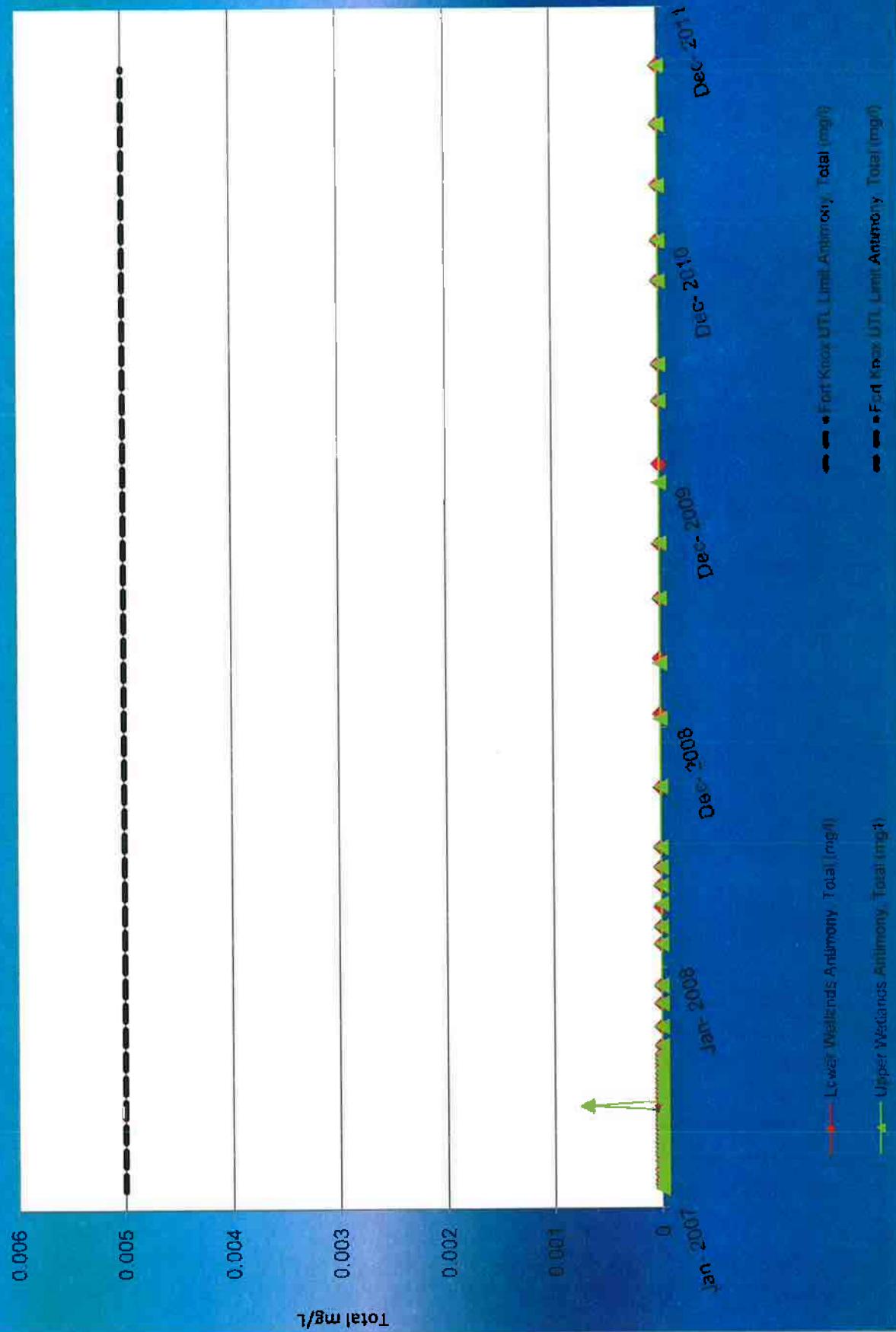


MW7 Nitrogen/Ammonia

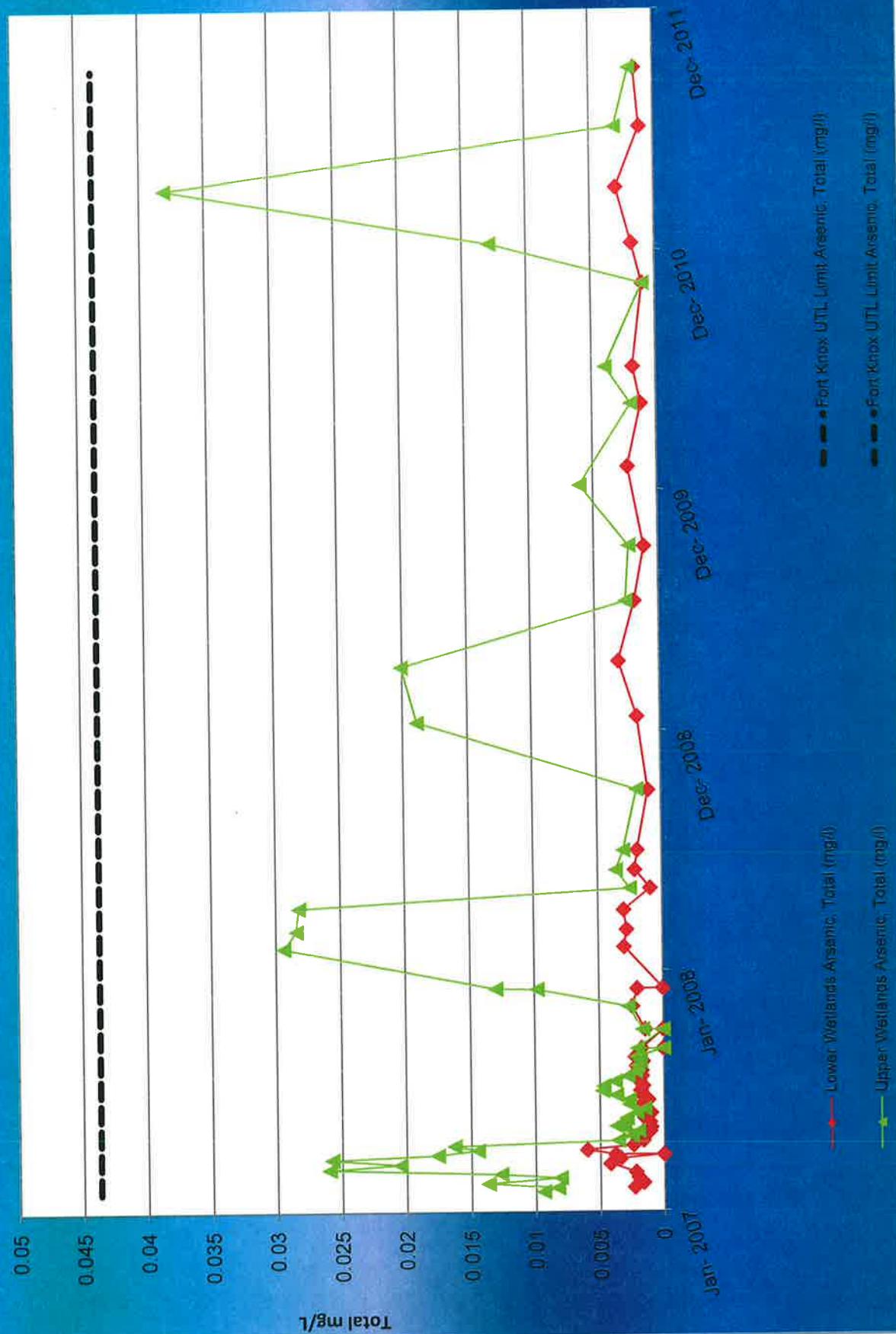




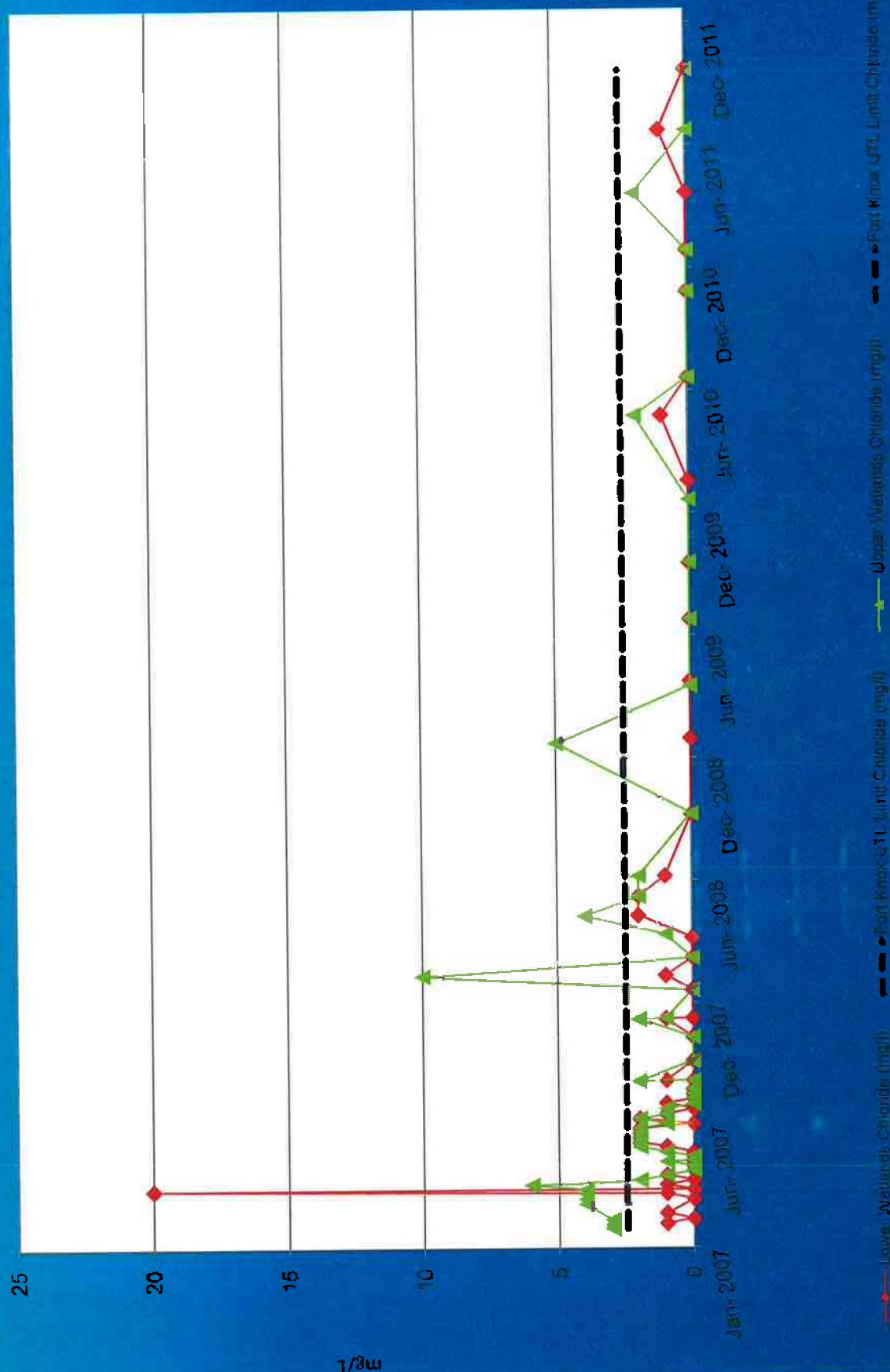
Upper & Lower Wetlands Antimony

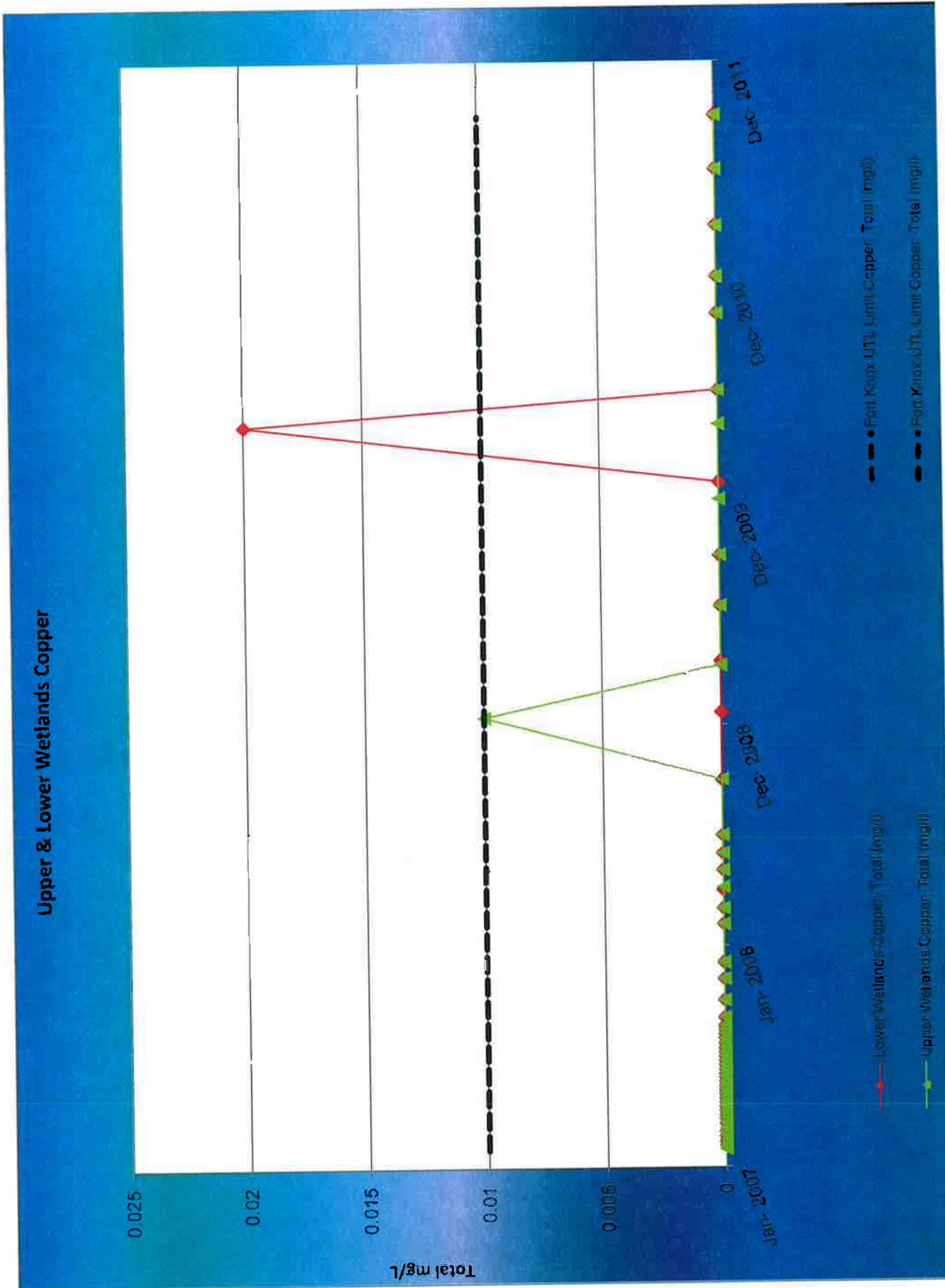


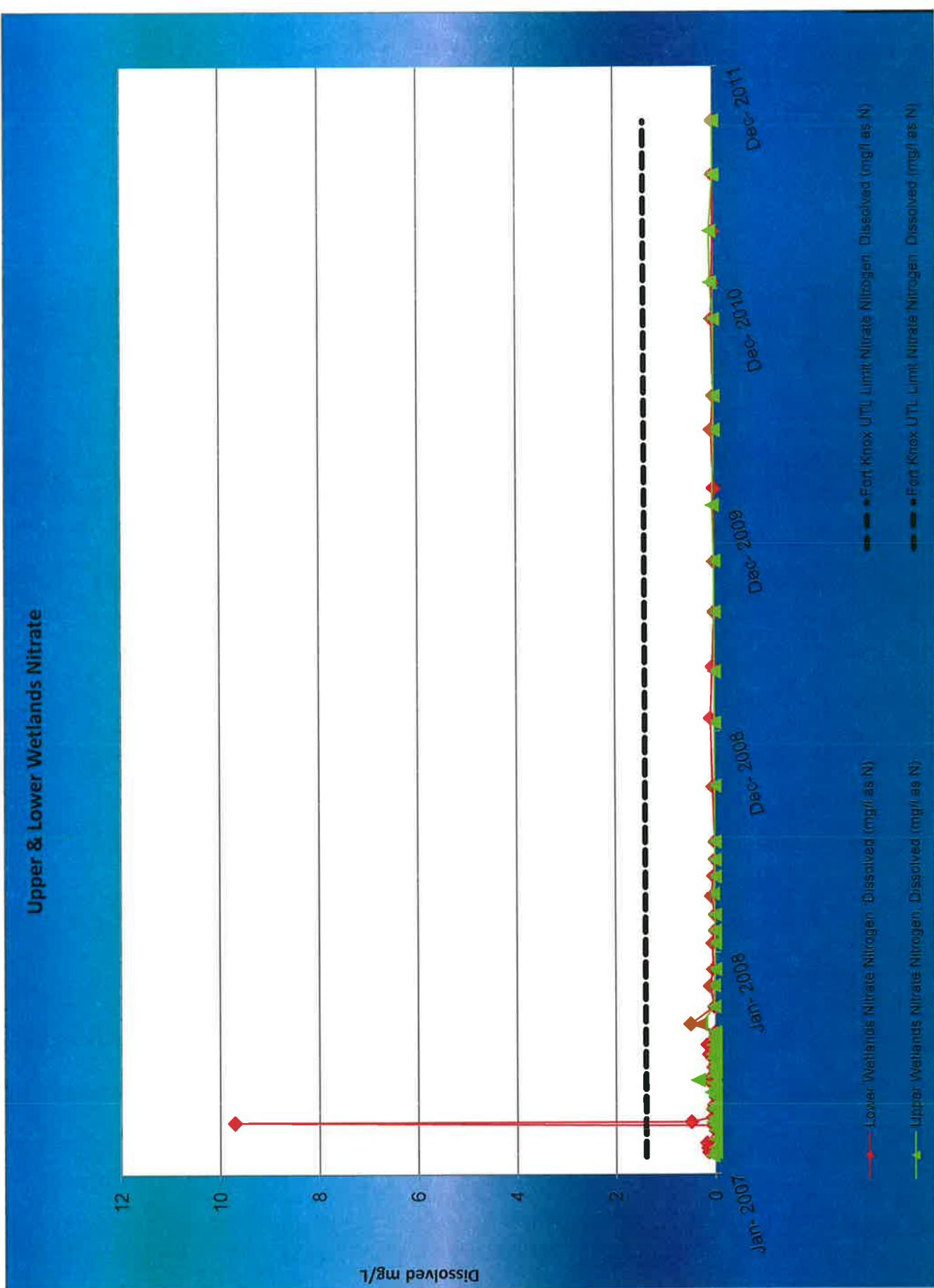
Upper & Lower Wetlands-Arsenic



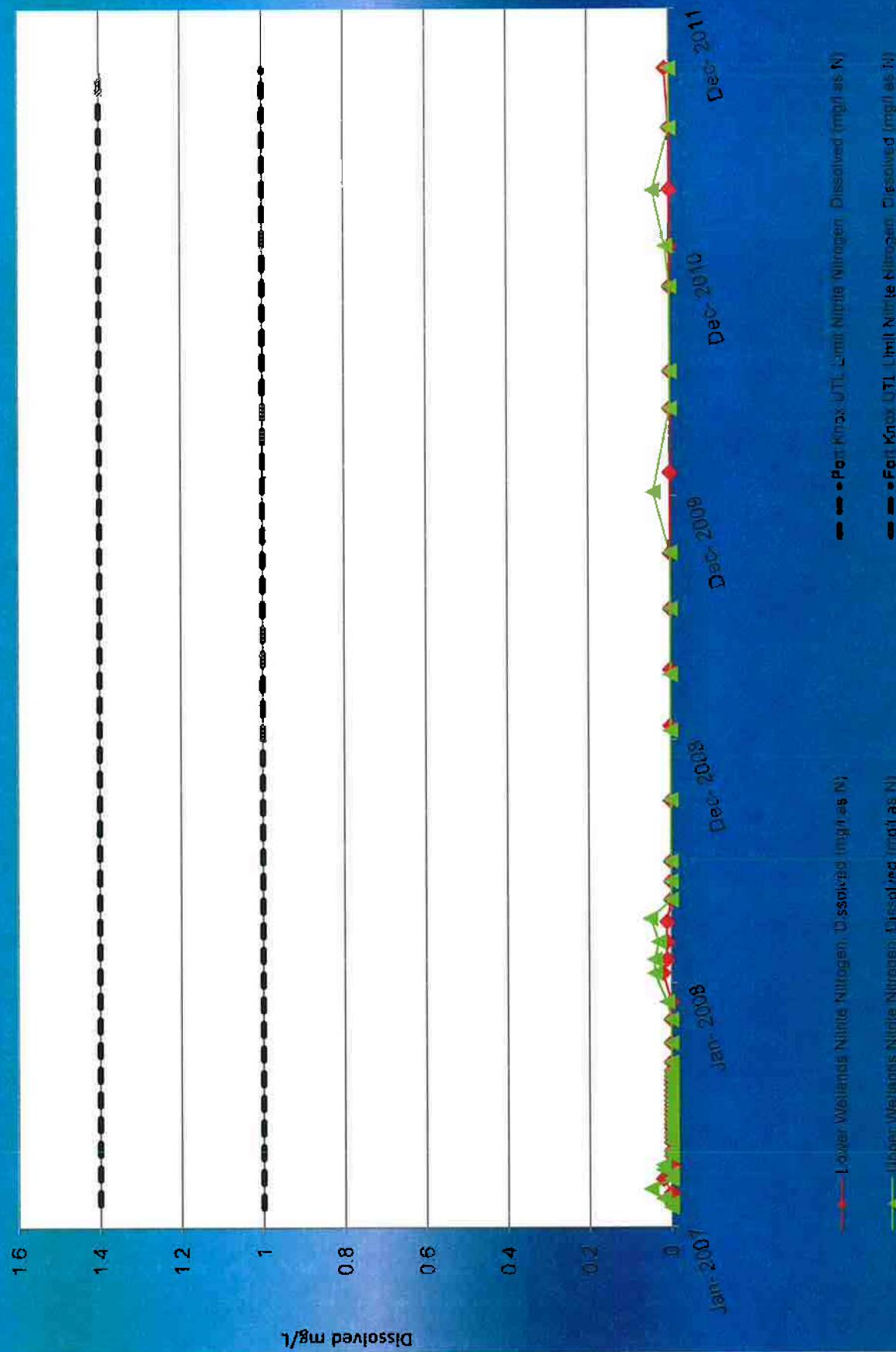
Upper & Lower Wetlands Chloride

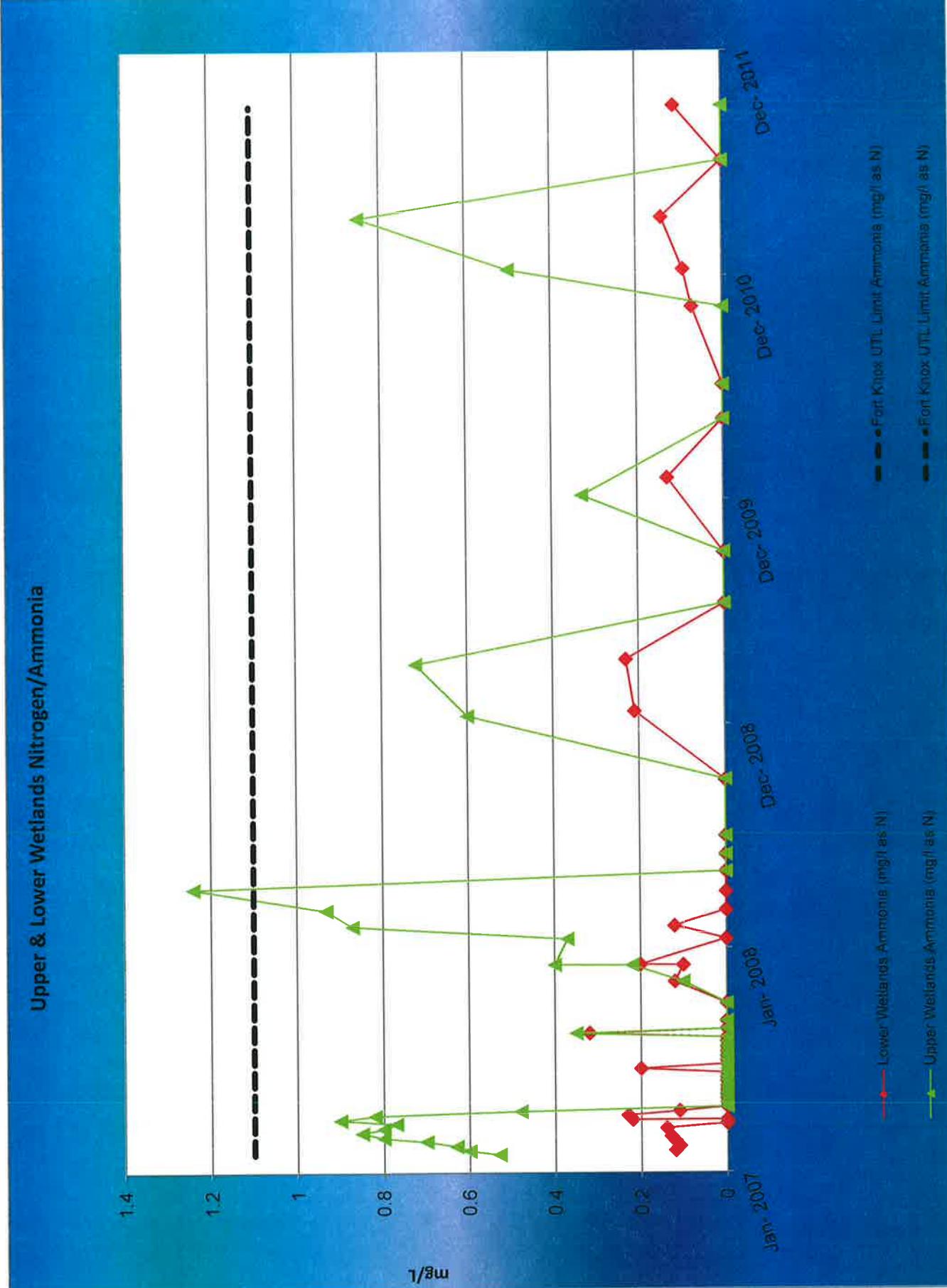


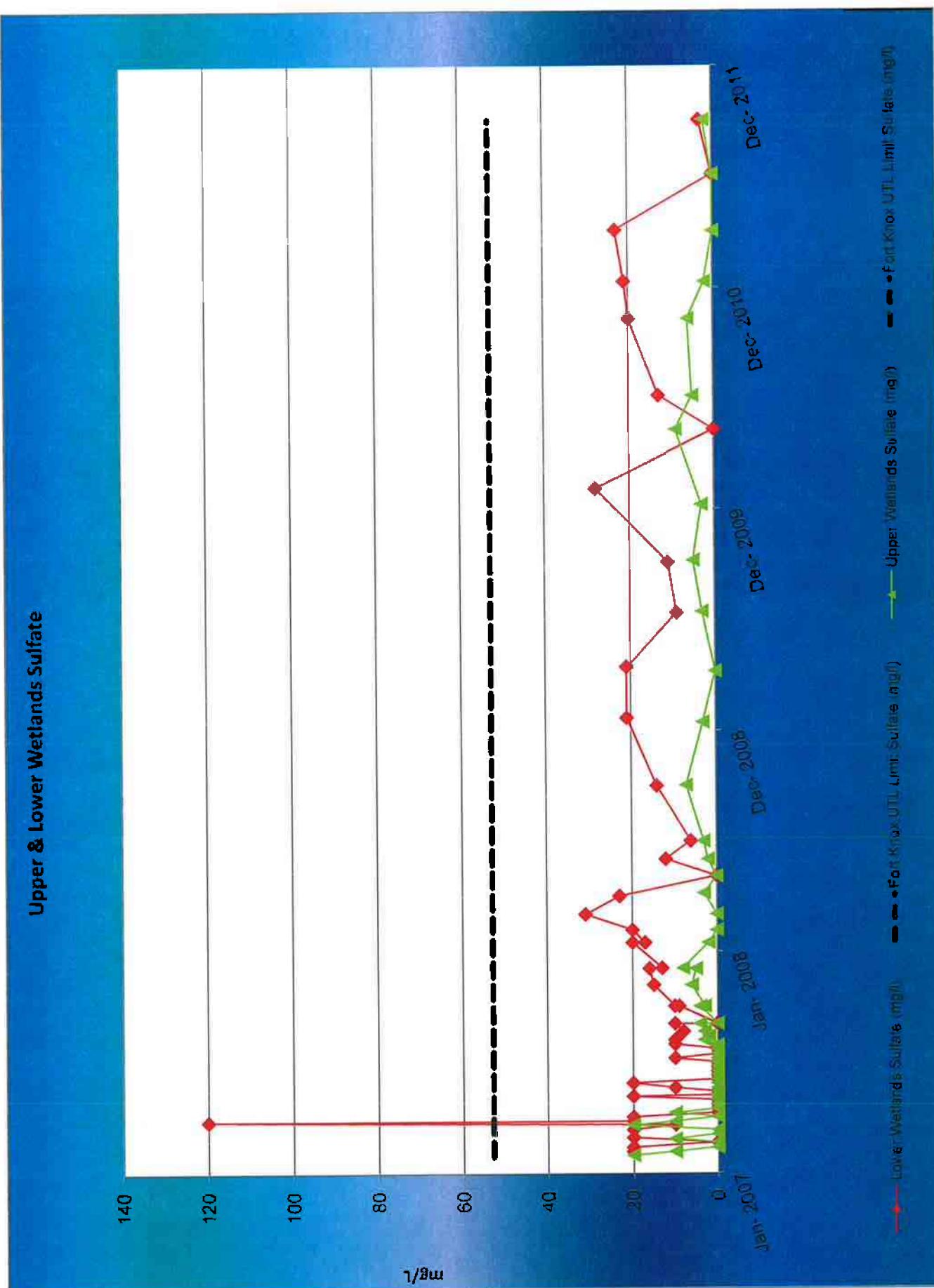




Upper & Lower Wetlands Nitrite Nitrogen





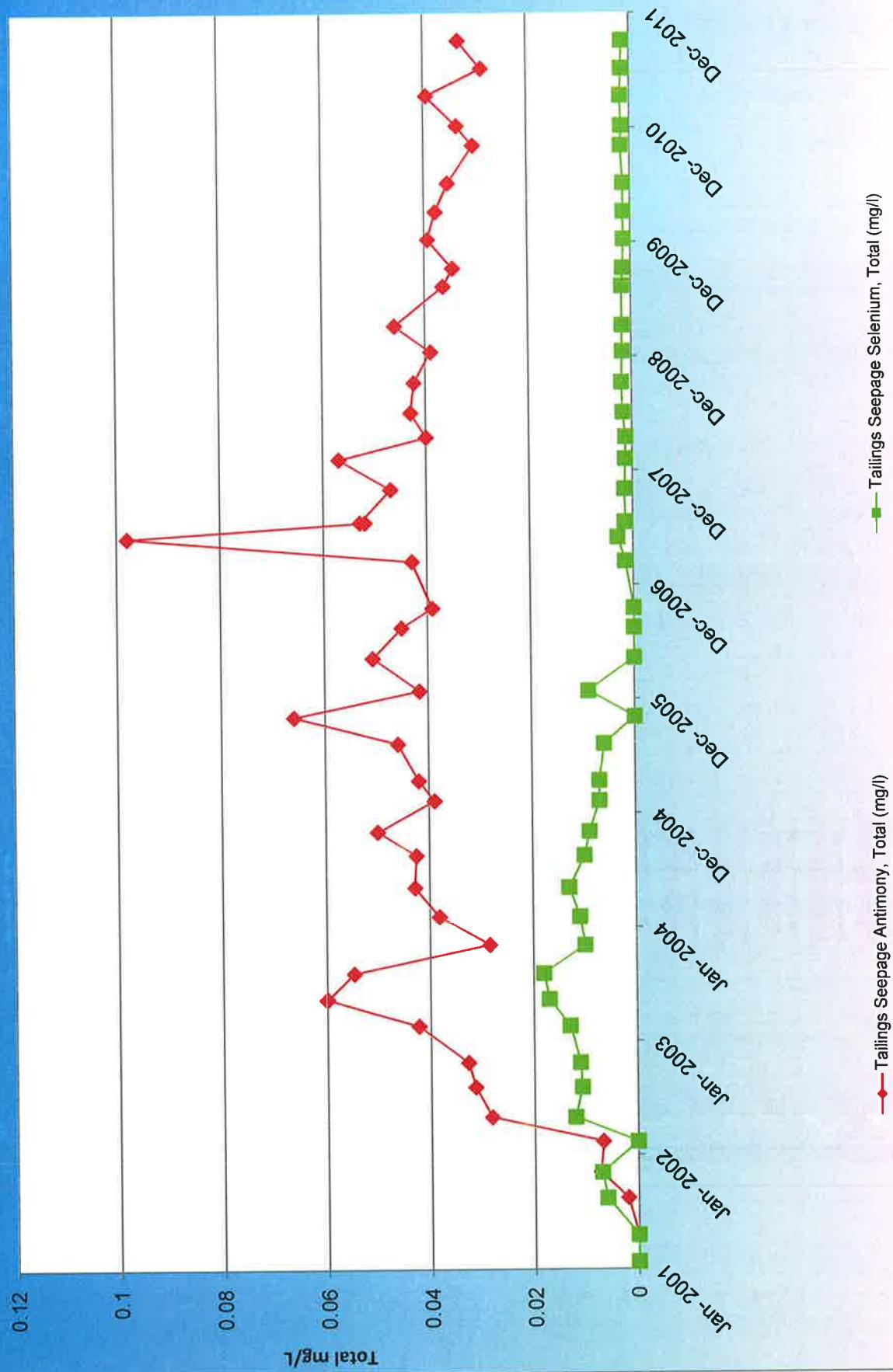


ATTACHMENT D

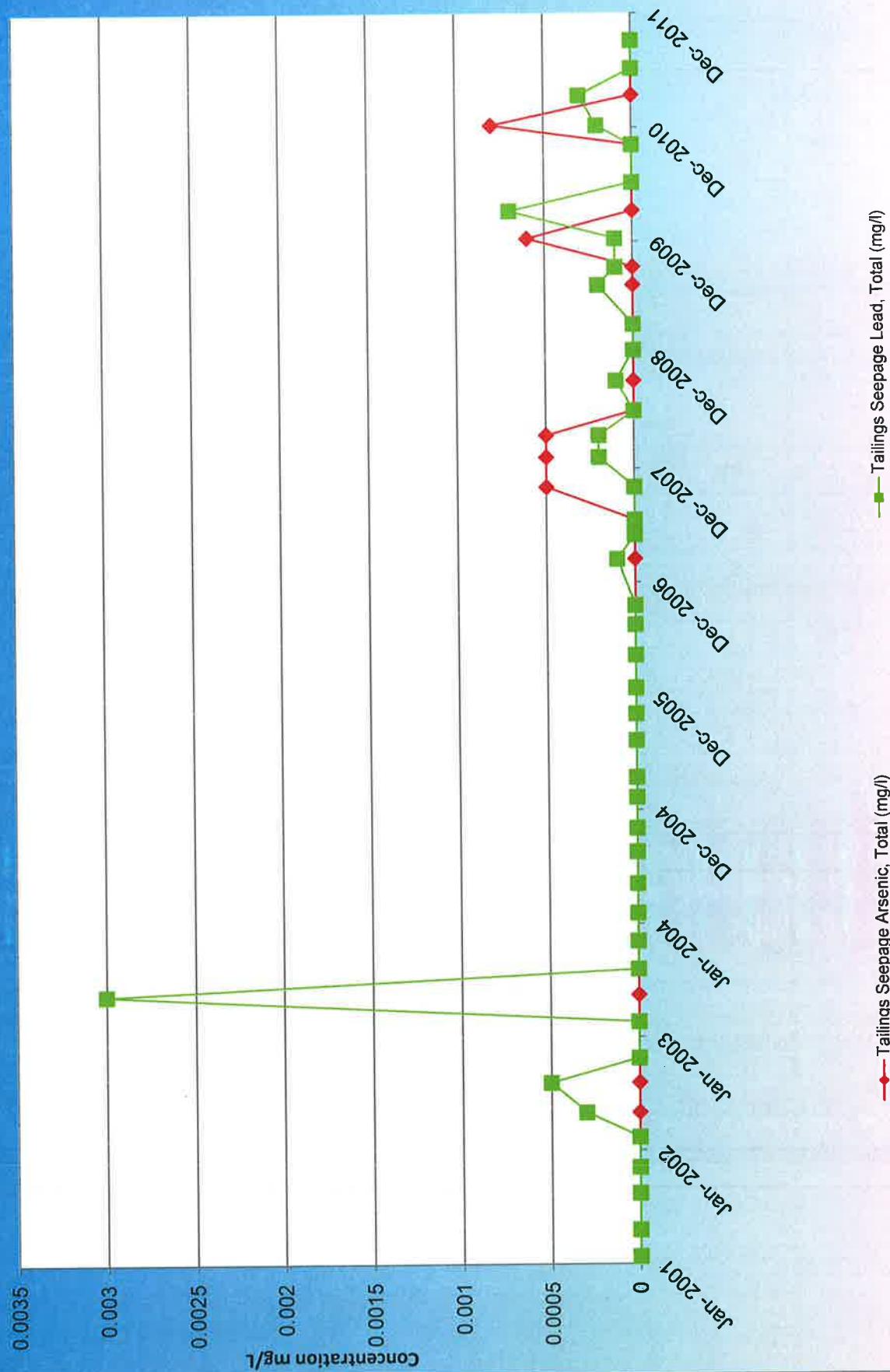
Monthly Metal Samples of Tailing

Impoundment Seepage As, Sb, Pb, Se

Tailing Seepage Metals Antimony, Selenium



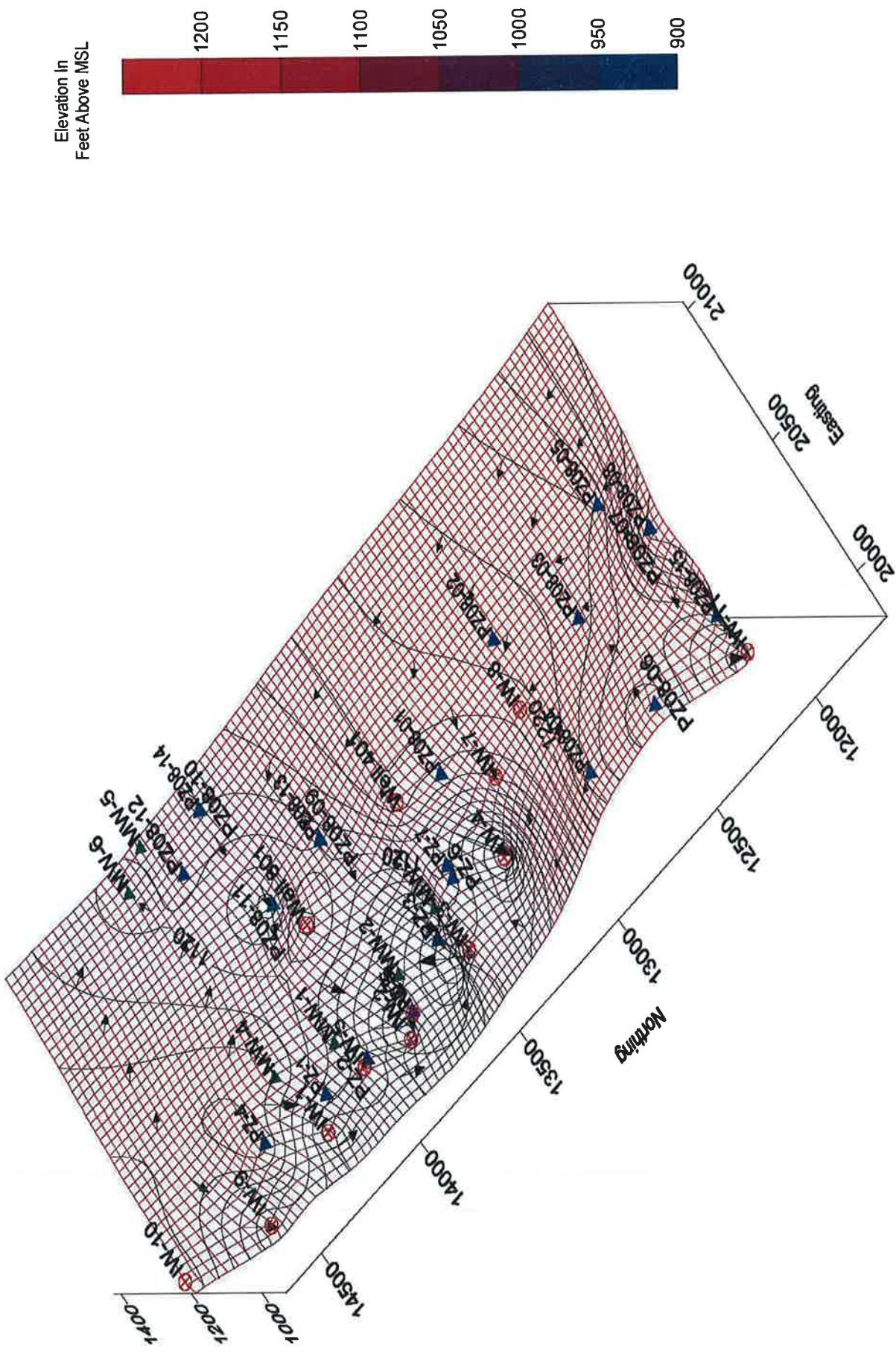
Tailing Seepage Metals Arsenic (As) and Lead (Pb)



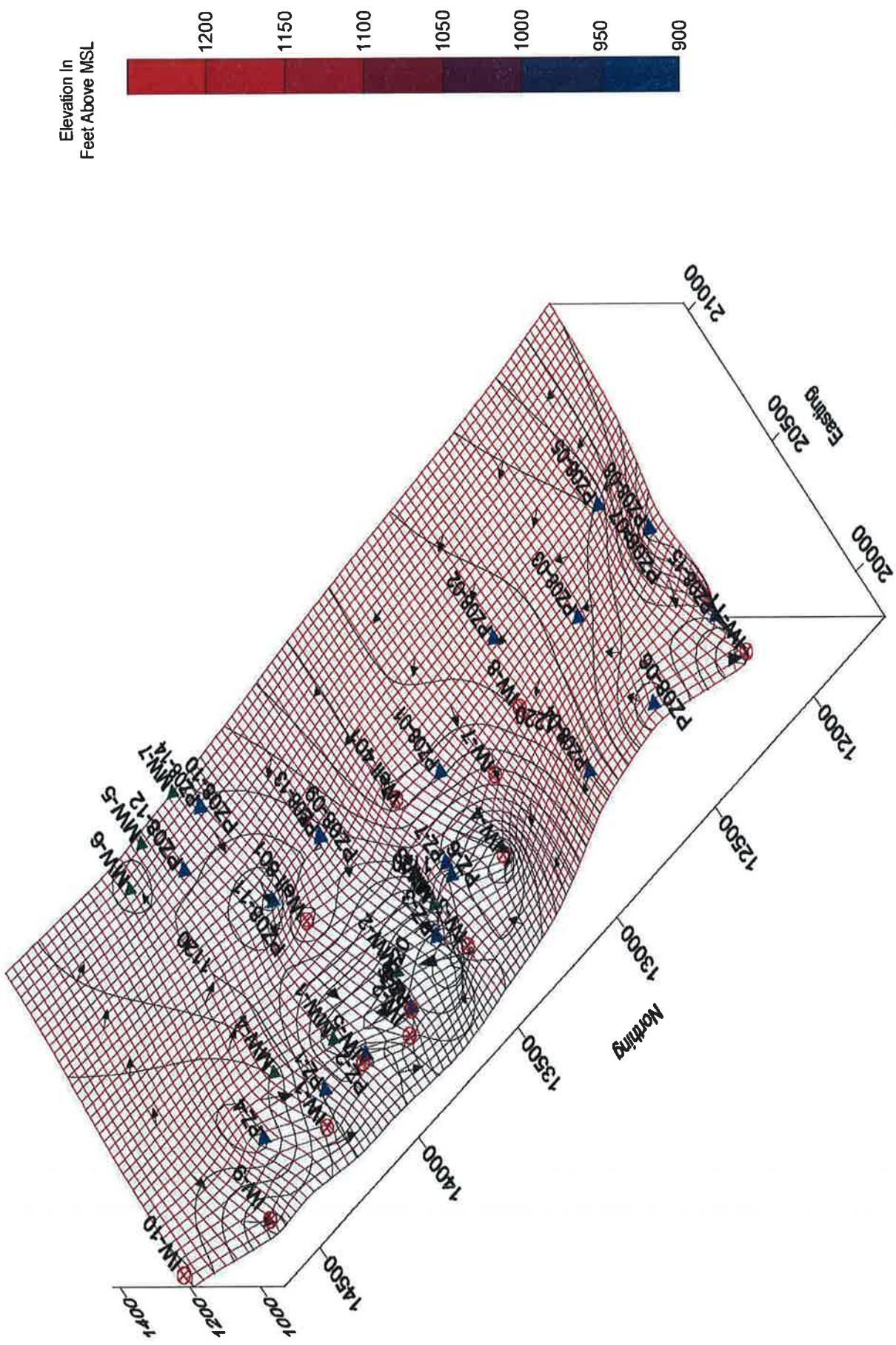
ATTACHMENT E

Interceptor and Monitoring Well Groundwater Contour

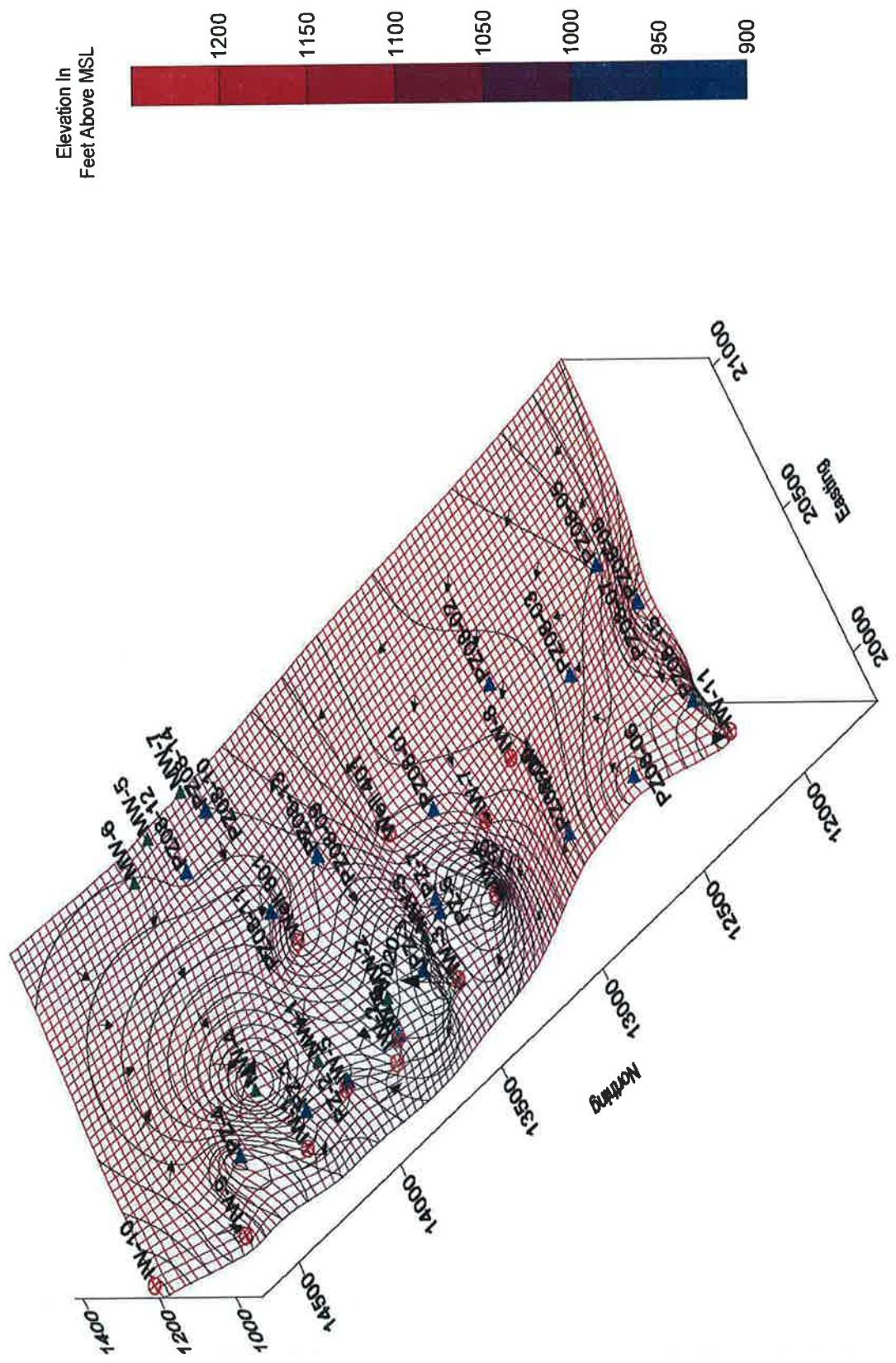
Fort Knox Mine Interceptor Wells
October 02, 2011 Groundwater Contours



Fort Knox Mine Interceptor Wells
November 06, 2011 Groundwater Contours



*Fort Knox Mine Interceptor Wells
December 05, 2011 Groundwater Contours*



ATTACHMENT F

Spill Reporting Log

Fort Knox Mine Spill Log 2011

Spill Number	Date	Time	Location	Material	Quantity	Equipment	Department	Cause	Cleanup Measures	Disposal	Agency Notified	Date	Time
11-05-123	11/17/2011	12:13 PM	Fish Creek C Stock	Ethyene Glyco	1/2 gallon	1800 ft Shovel	GC-Contractor	Heater Hose Failure	Absorb/Excavation	Burn Absorb/Soil to O/T	ADEC-Tish Jennings	11/17/2011	3:12 PM
11-05-124	11/4/2011	4:00 PM	Behind A.P.M.	Ethyene Glyco	20 gallons	H-T-462	MARC	Hose Failure	Absorb/Excavation	Burn Absorb/Soil to O/T	ADEC-Wes Gholmey	11/4/2011	4:30 PM
11-01-125	11/4/2011	9:45 PM	1705 B Stockpile	Diesel Fuel	5 gallons	DZ-311	M.E.M.	Wiggins Failure	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC EOM	12/1/2011	8:00 AM
11-05-126	11/4/2011	11:00 PM	Road Leaving Shop Area	Ethyene Glyco	15 gallons	Pickup 148	Ops	Water Pump Failure	Absorb	Burn Absorb/Recycle Coolant	ADEC Spill Hotline	11/5/2011	1:05 AM
11-05-127	11/17/2011	11:45 AM	Admin Fuel Island	Diesel Fuel	125 gallons	Delivery Truck	Alaska Petroleum	Camlock Fitting came loose	Excavation	Shove Bul in Wash Bay	ADEC-Tish Jennings	11/17/2011	8:00 AM
11-01-128	11/20/2011	12:00 AM	1750 Phase 7	Hydraulic Oil	5 gallons	H-T-422	M.E.M.	Hydraulic Hose Failure	Absorb	Burn Absorb	ADEC EOM	12/1/2011	8:00 AM
11-01-129	11/21/2011	7:00 AM	Hydraulic Oil	2 gallons	EX-603	M.E.M.	Hydraulic Hose Failure	Absorb	Burn Absorb	ADEC EOM	12/1/2011	8:00 AM	
11-07-130	11/24/2011	8:30 AM	Hyd/Waste Storage Conex	Waste DBK	10Cml.	Wasted Container	Environmental	Containment Expansion from Freezing	Absorb/Wrap	Hazardous Waste Disposal	ADEC Spill Hotline	11/24/2011	12:26 PM
11-01-131	11/24/2011	7:15 AM	1750 Phase 7	Hydraulic Oil	10 gallons	PKSV-105	M.E.M.	Spill During Maintenance	Absorb	Burn Absorb	ADEC - Wes Gholmey	11/24/2011	7:25 AM
11-01-132	11/24/2011	11:45 PM	De-weighting 2140	Hydraulic Oil	5 gallons	LR-151	M.E.M.	Hose D-Ring Failure	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC EOM	12/1/2011	8:00 AM
11-06-133	11/28/2011	4:00 AM	Under # 2 conveyor	Process Solution	560 gallons	Mill Hosing	Mill	Wash Down Hose Let Running	Excavation	Returned to Mill Process	ADEC-Tish Jennings	11/28/2011	10:36 AM
11-05-134	11/22/2011	4:38 PM	Fort Knox Access Road	Ethyene Glyco	1/2 gallon	Pickup 147	Safety	Fan Blister Blown, New filter/Indicator	Absorb	Burn Absorb	ADEC Spill Hotline	12/2/2011	10:38 PM
11-03-135	11/24/2011	5:45 PM	Fish Creek Fueling Island	Diesel Fuel	5 gallons	H-T-463	MARC	Fuel Tank Breather Plugged	Absorb	Burn Absorb	ADEC EOM	11/24/2011	8:00 AM
11-03-136	11/26/2011	10:15 PM	Fish Creek Fueling Island	Diesel Fuel	2 gallons	H-T-24	MARC	Fuel Tank Vent Malfunction	Absorb	Burn Absorb	ADEC EOM	11/25/2011	3:45 PM
11-01-137	11/28/2011	12:00 AM	2140 De-weighting Bench	15 Gallons	LR-151	M.E.M.	O-Ring Failure	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC - Paul L. Notka	12/8/2011	8:00 AM	
11-01-138	11/28/2011	7:30 AM	1750 Phase 7	Hydraulic Oil	5 gallons	SH-05	M.E.M.	Hydraulic Hose Failure	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC EOM	11/28/2011	8:00 AM
11-01-139	11/28/2011	1:30 PM	Fish Creek Fueling Island	Diesel Fuel	2 gallons	H-T-244	MARC	Auto Shut-off Failure	Absorb/Excavation	Burn Absorb/Soil to O/T	ADEC EOM	11/28/2011	8:00 AM
11-05-140	11/20/2011	10:30 PM	Barnes Creek Hill Road	Ethyene Glyco	25 gallons	H-T-65	MARC	Coolant Hose Failure	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC Spill Hotline	12/1/2011	11:54 PM
11-01-141	11/20/2011	11:45 PM	1750 Ph. Floor	Hydraulic Oil	1 gallon	PKLDR-152	MARC	Loose Plug on control valve	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC EOM	11/21/2011	8:00 AM
11-01-142	11/21/2011	8:00 AM	In Front of Crusher	Hydraulic Oil	To gallons	EX-603	M.E.M.	O-Ring Failure	Absorb	Burn Absorb	ADEC	12/1/2011	8:00 AM
11-01-143	11/28/2011	1:50 PM	1755 Phase 7	Hydraulic Oil	10 gallons	DZ-313	M.E.M.	O-Ring Failure	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC Spill Hotline	12/1/2011	6:31 PM
11-05-144	11/24/2011	5:00 PM	1755 Phase 7	Ethyene Glyco	1 gallon	LR-151	M.E.M.	Hose Clamp Failure	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC EOM	11/24/2011	8:00 AM
11-01-145	11/21/2011	1:45 PM	2000 Phase 7	Hydraulic Oil	2 gallons	LR-152	MARC	Hydraulic Pipe Failure	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC EOM	11/21/2012	8:00 AM
11-01-146	11/21/2011	8:45 PM	Transmission Oil	Transmission Oil	2 gallons	H-T-463	MARC	Failed Drive Line Seal	Absorb	Burn Absorb	ADEC EOM	11/21/2012	8:00 AM
11-01-147	11/24/2011	7:10 PM	Engine Oil	2 gallons	PK Bus 002	M.E.M.	Hose Burnducted in Oil Pan	Absorb/Excavation	Burn Absorb/Rock to Waste Dump	ADEC-Tish Jennings	12/2/2011	1:40 PM	
11-01-148	11/27/2011	10:30 AM	Barnes Creek Waste Dump	Hydraulic Oil	260 gallons	H-T-462	MARC	Hydraulic Hose Failure	Absorb/Excavation	Burn Absorb	ADEC EOM	11/27/2012	8:00 AM
11-01-149	11/28/2011	3:20 AM	Hydraulic Oil	3 gallons	H-T-443	MARC	Hydraulic Hose Failure	Absorb	Burn Absorb	ADEC EOM	11/28/2012	8:00 AM	

Spill Number Key: 1-Oil, 2-Grease, 3-Diesel, 4-Gas, 5-Ethylene or Propylene Glycol, 6-Process Solution, 7-Reagent, 8-Blasting Emulsion

ATTACHMENT G

Inert Solid Waste Landfill Summary

Fort Knox Annual Inert Solid Waste Landfill Report 2011

Solid Waste Disposal Permit #2006-DB0043.

This is a summary of activity in the solid waste disposal sites at the Fort Knox Mine during 2011. All solid waste landfills for 2011 are located on the Upper Barnes Creek Waste Rock Dump.

At closure of an individual trench, a minimum of two feet of cover is placed over solid waste within 60 days of the last waste being placed in the trench.

Solid Waste Landfill activity in 2011

The landfill opened 11/10/2010 was closed on 4/28/2011. This landfill was compacted and covered according to permit requirements. Please find the coordinates below for the new landfill opened the same day.

The coordinates for the landfill opened 4/28/2011 are:

Name	Northing	Easting	Elevation
Landfill	17939.37	6343.30	2101.26
Landfill	17922.73	6492.80	2100.07
Landfill	17942.17	6495.43	2100.66
Landfill	17959.42	6346.28	2102.22

The landfill that was opened 4/28/2011 was closed on 8/9/2011. This landfill was compacted and covered according to permit requirements. A new landfill was opened adjacent to the old one the same day. Please find the coordinates below for the new landfill.

The coordinates for the landfill opened 8/9/2011 are:

Name	Northing	Easting	Elevation
Landfill	17879.90	6564.26	2098.09
Landfill	17842.10	6558.21	2096.57
Landfill	17858.23	6441.76	2097.08
Landfill	17893.50	6439.75	2097.46

This landfill remains active at this time.

KINROSS

Fort Knox Mine

FAIRBANKS, ALASKA

Fairbanks Gold Mining, Inc.
A subsidiary of Kinross Gold Corp.
PO Box 73726
Fairbanks, AK 99707-3726

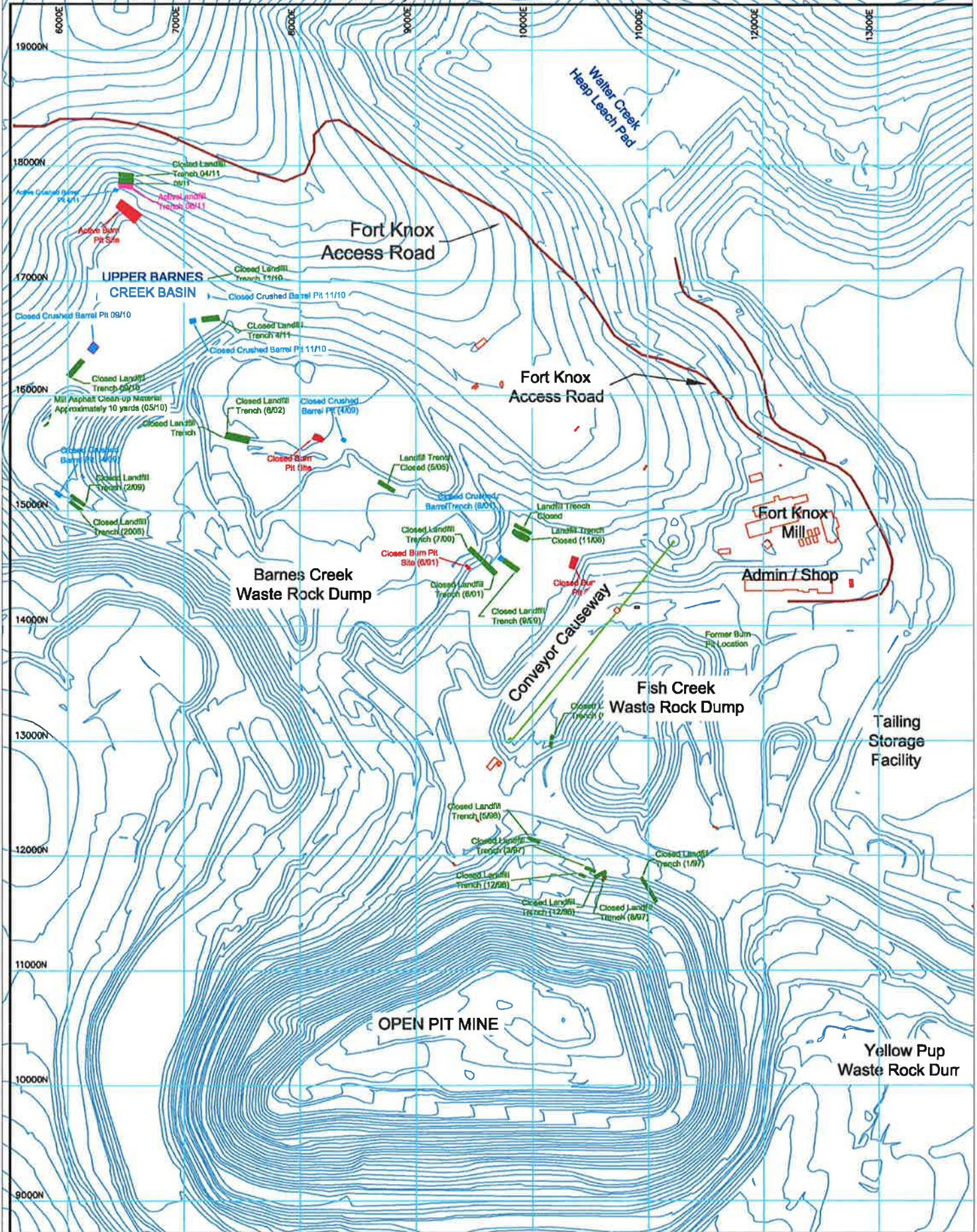
Phone: (907) 488-4653
Fax: (907) 490-2290
www.kinross.com

The Crushed Barrel Pit opened 11/10/2010 was compacted and covered according to permit requirements, and a new crushed barrel pit was opened on the 2100 level of the Upper Barnes Creek Waste Dump on 4/28/11.

The coordinates for the Crushed Barrel Pit opened 4/28/11:

Name	Northing	Easting	Elevation
Crushed Barrel Pit	17815.85	6273.72	2096.43
Crushed Barrel Pit	17775.13	6256.75	2095.30
Crushed Barrel Pit	17803.61	6196.80	2097.71
Crushed Barrel Pit	17844.23	6231.67	2098.35

Fort Knox Landfill Areas as of December 31, 2011



ATTACHMENT H

Fort Knox Waste Log Summary

WASTE SHIPPED OFF SITE 2011

Contents	Container #	Haz / Non	Container Size	Start Date	Date Shipped	Destination
Ethelyne Glycol	E101214766403	Non-Hazardous	55 Gallon Barrel	12/14/2010	4/27/2011	Emerald Alaska
Ethelyne Glycol	E101214766405	Non-Hazardous	55 Gallon Barrel	12/14/2010	4/27/2011	Emerald Alaska
Ethelyne Glycol	E101214766406	Non-Hazardous	55 Gallon Barrel	12/14/2010	4/27/2011	Emerald Alaska
Ethelyne Glycol	E101214766407	Non-Hazardous	55 Gallon Barrel	12/14/2010	4/27/2011	Emerald Alaska
Ethelyne Glycol	E101214766408	Non-Hazardous	55 Gallon Barrel	12/14/2010	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110201766405	Non-Hazardous	55 Gallon Barrel	2/1/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110201766406	Non-Hazardous	55 Gallon Barrel	2/1/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110201766407	Non-Hazardous	55 Gallon Barrel	2/1/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110201766408	Non-Hazardous	55 Gallon Barrel	2/1/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110204554502	Non-Hazardous	55 Gallon Barrel	2/4/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110204554506	Non-Hazardous	55 Gallon Barrel	2/4/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110211554501	Non-Hazardous	55 Gallon Barrel	2/11/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110308554504	Non-Hazardous	55 Gallon Barrel	3/8/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110308554505	Non-Hazardous	55 Gallon Barrel	3/8/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110204554505	Non-Hazardous	55 Gallon Barrel	2/4/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537906	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537907	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537908	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537909	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537910	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537911	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537912	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537913	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537914	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537915	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537916	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E110329537917	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Ethelyne Glycol	E101214766401	Non-Hazardous	55 Gallon Barrel	12/14/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E101214766402	Non-Hazardous	55 Gallon Barrel	12/14/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110204554501	Non-Hazardous	55 Gallon Barrel	2/4/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110204554503	Non-Hazardous	55 Gallon Barrel	2/4/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110421537901	Non-Hazardous	55 Gallon Barrel	4/21/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110421537902	Non-Hazardous	55 Gallon Barrel	4/21/2011	8/9/2011	Emerald Alaska

WASTE SHIPPED OFF SITE 2011

Contents	Container #	Haz / Non	Container Size	Start Date	Date Shipped	Destination
Ethelyne Glycol	E110421537903	Non-Hazardous	55 Gallon Barrel	4/21/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110421537904	Non-Hazardous	55 Gallon Barrel	4/21/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110509537902	Non-Hazardous	55 Gallon Barrel	5/9/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110509537903	Non-Hazardous	55 Gallon Barrel	5/9/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110607554501	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110607554502	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110607554503	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110607554516	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110727554510	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110727554511	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110727554512	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110727554513	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110727554514	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110808537904	Non-Hazardous	55 Gallon Barrel	8/8/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110808537905	Non-Hazardous	55 Gallon Barrel	8/8/2011	8/9/2011	Emerald Alaska
Ethelyne Glycol	E110808537906	Non-Hazardous	55 Gallon Barrel	8/8/2011	8/9/2011	Emerald Alaska
4800 Grease	E101206766407	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766408	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766409	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766410	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766411	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766412	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766413	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766414	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766415	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766416	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E101206766417	Non-Hazardous	55 Gallon Barrel	12/6/2010	8/9/2011	Emerald Alaska
4800 Grease	E110505554501	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
4800 Grease	E110607537917	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
4800 Grease	E110607537918	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
4800 Grease	E110607537919	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska

WASTE SHIPPED OFF SITE 2011

Contents	Container #	Haz / Non	Container Size	Start Date	Date Shipped	Destination
4800 Grease	E110607537920	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
4800 Grease	E110607537921	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
4800 Grease	E110607537922	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
4800 Grease	E110607537923	Non-Hazardous	55 Gallon Barrel	6/7/2011	8/9/2011	Emerald Alaska
4800 Grease	E110727554515	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
4800 Grease	E110727554516	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
4800 Grease	E110727554517	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
4800 Grease	E110727554518	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
4800 Grease	E110727554519	Non-Hazardous	55 Gallon Barrel	7/27/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537903	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537904	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537905	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537906	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537909	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537916	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537917	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537918	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537920	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537921	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537922	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537924	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537926	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537927	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537928	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
4800 Grease	E110802537929	Non-Hazardous	55 Gallon Barrel	8/2/2011	8/9/2011	Emerald Alaska
Used Oil	E110329537905	Non-Hazardous	55 Gallon Barrel	3/29/2011	4/27/2011	Emerald Alaska
Propylene Glycol	E101213766401	Non-Hazardous	55 Gallon Barrel	12/13/2010	4/27/2011	Emerald Alaska
Ethylen Glycol soaked Dirt	E100715766401	Non-Hazardous	55 Gallon Barrel	7/15/2010	4/27/2011	Emerald Alaska
Contaminated Oil	E110204554507	Non-Hazardous	55 Gallon Barrel	2/4/2011	4/27/2011	Emerald Alaska
Contaminated Oil	E110204554508	Non-Hazardous	55 Gallon Barrel	2/4/2011	4/27/2011	Emerald Alaska

WASTE SHIPPED OFF SITE 2011

Contents	Container #	Haz / Non	Container Size	Start Date	Date Shipped	Destination
Contaminated Oil	E110204554509	Non-Hazardous	55 Gallon Barrel	2/4/2011	4/27/2011	Emerald Alaska
Contaminated Oil	E110204554510	Non-Hazardous	55 Gallon Barrel	2/4/2011	4/27/2011	Emerald Alaska
Contaminated Oil	E110204554511	Non-Hazardous	55 Gallon Barrel	2/4/2011	4/27/2011	Emerald Alaska
Transformer #5782841	E100525773101	Non-Hazardous		5/25/2010	4/27/2011	Emerald Alaska
Transformer #5452145	E100525773102	Non-Hazardous		5/25/2010	4/27/2011	Emerald Alaska
Fluorescent Light Bulbs 8'	E110107766401	Non-Hazardous	8 Foot	1/7/2011	4/27/2011	Emerald Alaska
Fluorescent Light Bulbs 4'	E110105766402	Non-Hazardous	4 Foot	1/5/2011	4/27/2011	Emerald Alaska
Fluorescent Light Bulbs 4'	E110119766401	Non-Hazardous	4 Foot	1/19/2011	4/27/2011	Emerald Alaska
Sodium Halide Bulbs	E101013766416	Non-Hazardous	Large Box	10/13/2010	4/27/2011	Emerald Alaska
Dura 141 Dichlorofluoroethane	H100625766402	Hazardous	1 Gal	6/25/2010	4/27/2011	Emerald Alaska
Refinery Filters	H101112766401	Hazardous	Filter	11/12/2010	4/27/2011	Emerald Alaska
Refinery Filters	H101112766402	Hazardous	Filter	11/12/2010	4/27/2011	Emerald Alaska
Refinery Filters	H101112766403	Hazardous	Filter	11/12/2010	4/27/2011	Emerald Alaska
Refinery Filters	H101112766404	Hazardous	Filter	11/12/2010	4/27/2011	Emerald Alaska
Refinery Filters	H101112766405	Hazardous	Filter	11/12/2010	4/27/2011	Emerald Alaska
Refinery Filters	H101112766406	Hazardous	Filter	11/12/2010	4/27/2011	Emerald Alaska
Refinery Filters	H101112766407	Hazardous	Filter	11/12/2010	4/27/2011	Emerald Alaska
Refinery Filters	H101112766408	Hazardous	Filter	11/12/2010	4/27/2011	Emerald Alaska
DIBK	H101109766401	Hazardous	5 Gallons	11/9/2010	4/27/2011	Emerald Alaska
DIBK	H101230766401	Hazardous	5 Gallons	12/30/2010	4/27/2011	Emerald Alaska
DIBK	H110217554501	Hazardous	5 Gallons	2/17/2011	4/27/2011	Emerald Alaska
DIBK	H110321537901	Hazardous	5 Gallons	3/21/2011	4/27/2011	Emerald Alaska
Aerosol Accumulation	H110217554502	Hazardous	55 Gallons	2/17/2011	4/27/2011	Emerald Alaska
Aerosol Accumulation Filter	H110308554501	Hazardous	1 Filter	3/8/2011	4/27/2011	Emerald Alaska

WASTE SHIPPED OFF SITE 2011

Contents	Container #	Haz / Non	Container Size	Start Date	Date Shipped	Destination
DIBK	H110526554501	Hazardous	5 Gallon	8/4/2011	8/4/2011	Emerald Alaska
DIBK	H110526554502	Hazardous	5 Gallon		8/4/2011	Emerald Alaska
Aerosol Accumulation Filter	H110715554501	Hazardous	18" X 5" Box	8/4/2011	8/4/2011	Emerald Alaska
Aerosol Accumulation Filter	H110715554502	Hazardous	18" X 5" Box	8/4/2011	8/4/2011	Emerald Alaska
Aerosol Accumulation Filter	H110715554503	Hazardous	18" X 5" Box	8/4/2011	8/4/2011	Emerald Alaska
Contaminated Soil	E100609766401	Non-Hazardous	55 Gallon Barrel	6/9/2010	12/15/2011	OIT
Contaminated Soil	E100609766402	Non-Hazardous	55 Gallon Barrel	6/9/2010	12/15/2011	OIT
Contaminated Soil	E100615766407	Non-Hazardous	55 Gallon Barrel	6/15/2010	12/15/2011	OIT
Contaminated Soil	E100615766408	Non-Hazardous	55 Gallon Barrel	6/15/2010	12/15/2011	OIT
Contaminated Soil	E100615766412	Non-Hazardous	55 Gallon Barrel	6/15/2010	12/15/2011	OIT
Contaminated Soil	E100701766401	Non-Hazardous	55 Gallon Barrel	7/11/2010	12/15/2011	OIT
Contaminated Soil	E100701766402	Non-Hazardous	55 Gallon Barrel	7/11/2010	12/15/2011	OIT
Contaminated Soil	E100701766403	Non-Hazardous	55 Gallon Barrel	7/11/2010	12/15/2011	OIT
Contaminated Soil	E100701766404	Non-Hazardous	55 Gallon Barrel	7/11/2010	12/15/2011	OIT
Contaminated Soil	E100701766405	Non-Hazardous	55 Gallon Barrel	7/11/2010	12/15/2011	OIT
Contaminated Soil	E100701766406	Non-Hazardous	55 Gallon Barrel	7/11/2010	12/15/2011	OIT
Contaminated Soil	E100701766407	Non-Hazardous	55 Gallon Barrel	7/11/2010	12/15/2011	OIT
contaminated Soil	E100512766401	Non-Hazardous	55 Gallon Barrel	5/12/2010	12/15/2011	OIT
contaminated Soil	E100512766402	Non-Hazardous	55 Gallon Barrel	5/12/2010	12/15/2011	OIT
contaminated Soil	E100629766401	Non-Hazardous	55 Gallon Barrel	6/29/2010	12/15/2011	OIT
contaminated Soil	E100629766402	Non-Hazardous	55 Gallon Barrel	6/29/2010	12/15/2011	OIT
contaminated Soil	E100629766403	Non-Hazardous	55 Gallon Barrel	6/29/2010	12/15/2011	OIT
contaminated Soil	E100629766404	Non-Hazardous	55 Gallon Barrel	6/29/2010	12/15/2011	OIT
contaminated Soil	E100629766405	Non-Hazardous	55 Gallon Barrel	6/29/2010	12/15/2011	OIT
contaminated Soil	E100629766406	Non-Hazardous	55 Gallon Barrel	6/29/2010	12/15/2011	OIT
contaminated Soil	E100719766402	Non-Hazardous	55 Gallon Barrel	7/19/2010	12/15/2011	OIT
Contaminated Soil	E100629766407	Non-Hazardous	55 Gallon Barrel	6/29/2010	12/15/2011	OIT
Contaminated Soil	E100823766402	Non-Hazardous	55 Gallon Barrel	8/23/2010	12/15/2011	OIT
Contaminated Soil	E100823766403	Non-Hazardous	55 Gallon Barrel	8/23/2010	12/15/2011	OIT
Contaminated Soil	E100823766404	Non-Hazardous	55 Gallon Barrel	8/23/2010	12/15/2011	OIT
Contaminated Soil	E100823766405	Non-Hazardous	55 Gallon Barrel	8/23/2010	12/15/2011	OIT

WASTE SHIPPED OFF SITE 2011

Contents	Container #	Haz / Non	Container Size	Start Date	Date Shipped	Destination
Contaminated Soil	E100823766406	Non-Hazardous	55 Gallon Barrel	8/23/2010	12/15/2011	OIT
Contaminated Soil	E100823766407	Non-Hazardous	55 Gallon Barrel	8/23/2010	12/15/2011	OIT
Contaminated Soil	E110324554501	Non-Hazardous	55 Gallon Barrel	3/24/2011	12/15/2011	OIT
Contaminated Soil	E110324554502	Non-Hazardous	55 Gallon Barrel	3/24/2011	12/15/2011	OIT
Contaminated Soil	E110324554503	Non-Hazardous	55 Gallon Barrel	3/24/2011	12/15/2011	OIT
Contaminated Soil	E110324554504	Non-Hazardous	55 Gallon Barrel	3/24/2011	12/15/2011	OIT
Contaminated Soil	E110427537902	Non-Hazardous	55 Gallon Barrel	4/27/2011	12/15/2011	OIT
Contaminated Soil	E110427537903	Non-Hazardous	55 Gallon Barrel	4/27/2011	12/15/2011	OIT
Contaminated Soil	E101013766402	Non-Hazardous	55 Gallon Barrel	10/13/2010	12/15/2011	OIT
Contaminated Soil	E101206766401	Non-Hazardous	55 Gallon Barrel	12/6/2010	12/15/2011	OIT
Contaminated Soil	E101206766402	Non-Hazardous	55 Gallon Barrel	12/6/2010	12/15/2011	OIT
Contaminated Soil	E110201766401	Non-Hazardous	55 Gallon Barrel	2/11/2011	12/15/2011	OIT
Contaminated Soil	E110201766402	Non-Hazardous	55 Gallon Barrel	2/11/2011	12/15/2011	OIT
Contaminated Soil	E110201766403	Non-Hazardous	55 Gallon Barrel	2/11/2011	12/15/2011	OIT
Contaminated Soil	E110201766404	Non-Hazardous	55 Gallon Barrel	2/11/2011	12/15/2011	OIT
Contaminated Soil	E110308554502	Non-Hazardous	55 Gallon Barrel	3/8/2011	12/15/2011	OIT
Contaminated Soil	E110308554506	Non-Hazardous	55 Gallon Barrel	3/8/2011	12/15/2011	OIT
Contaminated Soil	E110421537905	Non-Hazardous	55 Gallon Barrel	4/21/2011	12/15/2011	OIT
Contaminated Soil	E110421537906	Non-Hazardous	55 Gallon Barrel	4/21/2011	12/15/2011	OIT
Contaminated Soil	E110421537907	Non-Hazardous	55 Gallon Barrel	4/21/2011	12/15/2011	OIT
Contaminated Soil	E110421537908	Non-Hazardous	55 Gallon Barrel	5/2/2011	12/15/2011	OIT
Contaminated Soil	E110421537909	Non-Hazardous	Super Sack	4/21/2011	12/15/2011	OIT
Contaminated Soil	E110502766401	Non-Hazardous	55 Gallon Barrel	5/2/2011	12/15/2011	OIT
Contaminated Soil	E110502537902	Non-Hazardous	55 Gallon Barrel	5/2/2011	12/15/2011	OIT
Contaminated Soil	E110509537901	Non-Hazardous	55 Gallon Barrel	5/9/2011	12/15/2011	OIT
Contaminated Soil	E110527501401	Non-Hazardous	55 Gallon Barrel	5/27/2011	12/15/2011	OIT
Contaminated Soil	E110524516201	Non-Hazardous	Super Sack	5/24/2011	12/15/2011	OIT
Contaminated Soil	E110524516202	Non-Hazardous	Super Sack	5/24/2011	12/15/2011	OIT
Contaminated Soil	E110524516203	Non-Hazardous	Super Sack	5/24/2011	12/15/2011	OIT
Contaminated Soil	E110525554501	Non-Hazardous	Super Sack	5/25/2011	12/15/2011	OIT
Contaminated Soil	E110525554502	Non-Hazardous	Super Sack	5/25/2011	12/15/2011	OIT
Contaminated Soil	E110525554503	Non-Hazardous	Super Sack	5/25/2011	12/15/2011	OIT
Contaminated Soil	E110607554504	Non-Hazardous	Super Sack	6/7/2011	12/15/2011	OIT

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Contents	Container #	Haz / Non	Container Size	Start Date	Date Shipped	Destination
Contaminated Soil	E110607554505	Non-Hazardous	Super Sack	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554506	Non-Hazardous	Super Sack	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554507	Non-Hazardous	Super Sack	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554508	Non-Hazardous	55 Gallon Barrel	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554509	Non-Hazardous	55 Gallon Barrel	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554510	Non-Hazardous	55 Gallon Barrel	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554511	Non-Hazardous	55 Gallon Barrel	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554512	Non-Hazardous	55 Gallon Barrel	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554513	Non-Hazardous	55 Gallon Barrel	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554514	Non-Hazardous	55 Gallon Barrel	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554515	Non-Hazardous	55 Gallon Barrel	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607554525	Non-Hazardous	5 Yard Super Sack	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110607537926	Non-Hazardous	55 Gallon Barrel	6/7/2011	12/15/2011	OIT
Contaminated Soil	E110727537901	Non-Hazardous	55 Gallon Barrel	7/27/2011	12/15/2011	OIT
Contaminated Soil	E110727537902	Non-Hazardous	55 Gallon Barrel	7/27/2011	12/15/2011	OIT
Contaminated Soil	E110727537903	Non-Hazardous	55 Gallon Barrel	7/27/2011	12/15/2011	OIT
Contaminated Soil	E110802537923	Non-Hazardous	55 Gallon Barrel	8/2/2011	12/15/2011	OIT

